

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 29, 2006, 20:54:11 ; Search time 51 Seconds
(without alignments)
931.944 Million cell updates/sec

Title: US-09-462-416-7

Perfect score: 2861
Sequence: 1 MNAVGCALLAALAAAPGAL.....LIRSKFRLQSLRALRQM 543

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents AA:*

- 1: /EMC_Celerra_SIDS3/prodata/2/1aa/5_COMB.pep:*
- 2: /EMC_Celerra_SIDS3/prodata/2/1aa/6_COMB.pep:*
- 3: /EMC_Celerra_SIDS3/prodata/2/1aa/7_COMB.pep:*
- 4: /EMC_Celerra_SIDS3/prodata/2/1aa/H_COMB.pep:*
- 5: /EMC_Celerra_SIDS3/prodata/2/1aa/CTUS_COMB.pep:*
- 6: /EMC_Celerra_SIDS3/prodata/2/1aa/BE_COMB.pep:*
- 7: /EMC_Celerra_SIDS3/prodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1931	67.1	592	2	US-09-313-942-8
2	1921	67.1	592	2	US-10-282-162-8
3	1918	67.0	468	2	US-08-795-473B-5
4	1918	67.0	468	2	US-09-439-856-5
5	1918	67.0	468	2	US-09-949-016-5959
6	1918	67.0	468	7	5171840-2
7	1918	67.0	468	7	5480796-2
8	1910	66.8	360	2	US-09-313-942-15
9	1910	66.8	360	2	US-10-282-162-15
10	1852	64.7	344	7	5171840-7
11	1852	64.7	344	7	5480796-7
12	1788	62.5	1158	2	US-09-313-942-26
13	1788	62.5	1158	2	US-10-282-162-26
14	1783	62.3	1168	2	US-09-313-942-24
15	1783	62.3	1168	2	US-10-282-162-24
16	1741	60.9	333	7	5171840-6
17	1741	60.9	333	7	5480796-6
18	1683	58.8	315	2	US-09-313-942-16
19	1683	58.8	315	2	US-10-282-162-16
20	1481.5	51.8	388	2	US-09-949-016-9852
21	1389	48.5	386	7	5171840-5
22	1389	48.5	386	7	5480796-5
23	1153	40.3	210	2	US-09-043-785-1
24	950	33.2	201	7	5171840-11
25	939	32.8	185	1	US-08-716-317-7
26	938.5	32.8	212	1	US-08-792-019B-9

27	938.5	32.8	212	2	US-08-988-819-9	Sequence 9, Appli
28	938.5	32.8	212	2	US-09-016-534-9	Sequence 9, Appli
29	938.5	32.8	212	2	US-08-097-869-7	Sequence 7, Appli
30	938.5	32.8	212	2	US-08-795-473B-6	Sequence 6, Appli
31	938.5	32.8	212	2	US-09-230-637-45	Sequence 45, Appl
32	938.5	32.8	212	2	US-09-230-637A-27	Sequence 27, Appl
33	938.5	32.8	212	2	US-09-439-856-6	Sequence 6, Appli
34	938.5	32.8	212	2	US-09-462-941-13	Sequence 13, Appl
35	938.5	32.8	212	7	5510472-2	Patent No. 5510472
36	938.5	32.8	222	2	US-09-949-016-10315	Sequence 10315, A
37	935	32.7	317	2	US-08-469-318-145	Sequence 145, App
38	935	32.7	317	2	US-08-468-609A-145	Sequence 145, App
39	935	32.7	317	2	US-08-446-872A-145	Sequence 145, App
40	935	32.7	317	2	US-08-762-227A-145	Sequence 145, App
41	935	32.7	317	5	PCT-US95-01185-145	Sequence 145, App
42	934	32.6	184	1	US-08-567-047-2	Sequence 2, Appli
43	934	32.6	184	1	US-08-567-048-2	Sequence 2, Appli
44	934	32.6	184	7	5186931-1	Patent No. 5186931
45	934	32.6	185	1	US-07-632-070B-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1					
US-09-313-942-8					
Sequence 8, Application US/09313942					
Patent No. 6472179					
GENERAL INFORMATION:					
APPLICANT: REGENERON PHARMACEUTICALS, INC.					
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING					
FILE REFERENCE: REG 203-A					
CURRENT APPLICATION NUMBER: US/09/313,942					
CURRENT FILING DATE: 1999-05-19					
PRIOR APPLICATION NUMBER: 09/313,942					
PRIOR FILING DATE: 1999-05-19					
PRIOR APPLICATION NUMBER: 60/101,858					
PRIOR FILING DATE: 1999-05-19					
NUMBER OF SEQ ID NOS: 32					
SOFTWARE: FASTSEQ for Windows Version 3.0					
SEQ ID NO 8					
LENGTH: 592					
TYPE: PRT					
ORGANISM: Homo sapiens					
US-09-313-942-8					
Query Match 67.1%; Score 1921; DB 2; Length 592;					
Best Local Similarity 77.1%; Pred. No. 8.3e-151;					
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;					
QY	1	MNAVGCALLAALAAAGALAPRCPAQEVARGVLTSLPDSVTLTCGVEPEDNATVHW	60		
DB	1	MNAVGCALLAALAAAGALAPRCPAQEVARGVLTSLPDSVTLTCGVEPEDNATVHW	60		
QY	61	VLRKPAAGSHPSWAGMGRRLIRSVQLHDSGVNVCYRAGRPAQTVHLVDPPEEPQLS	120		
DB	61	VLRKPAAGSHPSWAGMGRRLIRSVQLHDSGVNVCYRAGRPAQTVHLVDPPEEPQLS	120		
QY	121	CFRKSLSNVNCWGPSPSTLTAKVILVKKONSPAEFOPRCQVSOSSOKPSCOLAV	180		
DB	121	CFRKSLSNVNCWGPSPSTLTAKVILVKKONSPAEFOPRCQVSOSSOKPSCOLAV	180		
QY	181	PEGDSFFYIVSMCVASVGSFKSKTQTFQCGILQDPDPANITVTAVARNPRLSVTWD	240		
DB	181	PEGDSFFYIVSMCVASVGSFKSKTQTFQCGILQDPDPANITVTAVARNPRLSVTWD	240		
QY	241	PHSWNSFFYRLRDELRYRAERSKTFPTTWVYKDIQHCVHIDAMSGLRHVQLRAQBEFGQ	300		
DB	241	PHSWNSFFYRLRDELRYRAERSKTFPTTWVYKDIQHCVHIDAMSGLRHVQLRAQBEFGQ	300		
QY	301	GEWSEKSPAMGTPMTESRSPPAENSVSTPMQALTTNKDDNLTFRSANATSLPVEFMP	360		
DB	301	GEWSEKSPAMGTPMTESRSPPAENSVSTPMQALTTNKDDNLTFRSANATSLPVEFMP	360		

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Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNLTFRDSANATSLPYQ--- 357
Qy      361 VPPGSDSKVAAAPHROPLTSERIDKQIRYILDGIALRKETCKSNMCE--SSKEALAE 418
Db      358 -----DAGEP-----KSCDKTHTCPPCPAPELLG 382
Qy      419 NNILNLPKMAEKQCFQSGFNEETCLVKIIT---GLLEFVYLEYLQ---NRFSSSEQAR 472
Db      383 PSVFLEPPKPKDITLMTSRTEPVTGVVDSHEDPEVKFMVYGVHNAKTPREEOYN 442
Qy      473 AVQMSKTVL 481
Db      443 STYRVSVL 451

RESULT 2
US-10-282-162-8
; Sequence 8, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-282-162-8

Query Match      67.1%; Score 1921; DB 2; Length 592;
Best Local Similarity 77.1%; Pred. No. 8.3e-151;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

Qy      1 MIAVGCALIAALIAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPRDNATVW 60
Db      1 MIAVGCALIAALIAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPRDNATVW 60
Qy      61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEBPOLS 120
Db      61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEBPOLS 120
Qy      121 CFFKSPLSNVVCEWGRSTPSLTITKAVLVKRFQNSPADPFOPCQYSGESQKFSQCLAV 180
Db      121 CFFKSPLSNVVCEWGRSTPSLTITKAVLVKRFQNSPADPFOPCQYSGESQKFSQCLAV 180
Qy      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Db      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Qy      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVYQLAQBEPQ 300
Db      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVYQLAQBEPQ 300
Qy      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNLTFRDSANATSLPYEFMP 360
Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNLTFRDSANATSLPYQ--- 357
Qy      361 VPPGSDSKVAAAPHROPLTSERIDKQIRYILDGIALRKETCKSNMCE--SSKEALAE 418
Db      358 -----DAGEP-----KSCDKTHTCPPCPAPELLG 382
Qy      419 NNILNLPKMAEKQCFQSGFNEETCLVKIIT---GLLEFVYLEYLQ---NRFSSSEQAR 472
Db      383 PSVFLEPPKPKDITLMTSRTEPVTGVVDSHEDPEVKFMVYGVHNAKTPREEOYN 442

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Qy      473 AVQMSKTVL 481
Db      443 STYRVSVL 451

RESULT 3
US-08-795-473B-5
; Sequence 5, Application US/08795473B
; Patent No. 6217858
; GENERAL INFORMATION:
; APPLICANT: Galun, Elchan
; APPLICANT: Nahot, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A Pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,473B
; FILING DATE: 11-FEB-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963.1007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; US-08-795-473B-5

Query Match      67.0%; Score 1918; DB 2; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

Qy      1 MIAVGCALIAALIAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPRDNATVW 60
Db      1 MIAVGCALIAALIAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPRDNATVW 60
Qy      61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEBPOLS 120
Db      61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEBPOLS 120
Qy      121 CFFKSPLSNVVCEWGRSTPSLTITKAVLVKRFQNSPADPFOPCQYSGESQKFSQCLAV 180
Db      121 CFFKSPLSNVVCEWGRSTPSLTITKAVLVKRFQNSPADPFOPCQYSGESQKFSQCLAV 180
Qy      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Db      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Qy      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVYQLAQBEPQ 300
Db      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVYQLAQBEPQ 300
Qy      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNLTFRDSANATSLPYEFMP 360
Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNLTFRDSANATSLPYQ--- 357

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Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE---- 356

QY 361 VPBGEDSKDVAP 373
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Db 357 ----QDSSSVPLP 365

RESULT 4
US-09-439-856-5
; Sequence 5, Application US/09439856
; Patent No. 6410009
; GENERAL INFORMATION:
; APPLICANT: Galun, Eithan
; APPLICANT: Nahot, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A Pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/439, 856
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/795,473
; FILING DATE: 11-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963,1007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; US-09-439-856-5

Query Match 67.0%; Score 1918; DB 2; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MLAVGALLAALLAALPAGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60
Db 1 MLAVGALLAALLAALPAGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60
QY 61 VLKPPAAGSHPSRMAWGRRLILRSVOLHDSGNVSCYRAGRPAAGTVHLLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRMAWGRRLILRSVOLHDSGNVSCYRAGRPAAGTVHLLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVKKFONS PAEDFOEPCQYQESQKFSQCLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVKKFONS PAEDFOEPCQYQESQKFSQCLAV 180
QY 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITVTAVARNPRMISVTWOD 240
Db 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITVTAVARNPRMISVTWOD 240
QY 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVVQLRAOEFQ 300
Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVVQLRAOEFQ 300

Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVVQLRAOEFQ 300

QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEEMP 360
Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE---- 356

QY 361 VPBGEDSKDVAP 373
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Db 357 ----QDSSSVPLP 365

RESULT 5
US-09-949-016-5959
; Sequence 5959, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5959
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-5959

Query Match 67.0%; Score 1918; DB 2; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MLAVGALLAALLAALPAGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60
Db 1 MLAVGALLAALLAALPAGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60
QY 61 VLKPPAAGSHPSRMAWGRRLILRSVOLHDSGNVSCYRAGRPAAGTVHLLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRMAWGRRLILRSVOLHDSGNVSCYRAGRPAAGTVHLLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVKKFONS PAEDFOEPCQYQESQKFSQCLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVKKFONS PAEDFOEPCQYQESQKFSQCLAV 180
QY 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITVTAVARNPRMISVTWOD 240
Db 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITVTAVARNPRMISVTWOD 240
QY 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVVQLRAOEFQ 300
Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVVQLRAOEFQ 300
QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEEMP 360
Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE---- 356
QY 361 VPBGEDSKDVAP 373
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Db 357 ----QDSSSVPLP 365

RESULT 6
US-09-462-416-7
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU

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; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
;
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO:2
; LENGTH: 468
5171840-2

Query Match      67.0%; Score 1918; DB 7; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
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QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
QY 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
DB 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 356
DB 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 356
QY 361 VPPGEDSKVAAAP 373
DB 357 ----QDSSSVPLP 365

RESULT 7
5480796-2
; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO:2
; LENGTH: 468
5480796-2

Query Match      67.0%; Score 1918; DB 7; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

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DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
QY 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
DB 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 356
DB 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 356
QY 361 VPPGEDSKVAAAP 373
DB 357 ----QDSSSVPLP 365

RESULT 8
US-09-313-942-15
; Sequence 15, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

Query Match      66.8%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 3.2e-150;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLLVRKFQNSPADFPQPCQYSQESQKFSQCLAV 180
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSYTWOD 240
QY 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
DB 241 PHSWNSFFRLRFLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVVLRAQEEFQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 357
DB 301 GEWSEWSPAMGTPWTESRSPPAENEVSIPMOALLTNKDDNILLFRDSANATSLPV----- 357

RESULT 9

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US-10-282-162-15
; Sequence 15, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 66.8%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 3.2e-150;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Qy 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Db 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Qy 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVE 357
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVE 357

RESULT 10
5171840-7
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7
; LENGTH: 344
5171840-7

Query Match 64.7%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 2e-145;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60

Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Qy 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Db 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Qy 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344

RESULT 11
5480796-7
; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7
; LENGTH: 344
5480796-7

Query Match 64.7%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 2e-145;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALAPGALAPRCPCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFNQNSPAEDQOEPCQVSOESQKSCQAV 180
Qy 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Db 181 PEGDSSFIVSMCVASSVSGSKFTQTFQCGGIIQPPDPANITTYAVARNRMLSVTQD 240
Qy 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNSSFYRLREFELRYAERSKTFTTMVVDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344

RESULT 12
US-09-313-942-26
; Sequence 26, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

```

? TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
?
? TITLE OF INVENTION: AND USING
?
? FILE REFERENCE: REG 203-A
?
? CURRENT APPLICATION NUMBER: US/09/313,942
?
? CURRENT FILING DATE: 1999-05-19
?
? PRIOR APPLICATION NUMBER: 09/313,942
?
? PRIOR FILING DATE: 1999-05-19
?
? PRIOR APPLICATION NUMBER: 60/101,858
?
? PRIOR FILING DATE: 1998-09-25
?
? NUMBER OF SEQ ID NOS: 32
?
? SOFTWARE: FastSeq for Windows Version 3.0
?
? SEQ ID NO 26
?
? LENGTH: 1158
?
? TYPE: PRT
?
? ORGANISM: Homo sapiens
US-09-313-942-26

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Query Match	62.5%	Score 1788;	DB 2;	Length 1158;
Best Local Similarity	99.1%	Pred. No. 2.5e-139;		
Matches 331; Conservative	2;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1 LMLAVGALLAALLAALPGALAPRCPAQEVARGVITSLSGDSVLTTCPGEPEDNATVHM 60

Db 1 MVAVGALLAALLAALPGALAPRCPAQEVARGVITSLSGDSVLTTCPGEPEDNATVHM 60

61 YLRKPAAGSHPSRMAGMGRLLIIRS VQLHDSGNISCIIRAGRPAGTVHLVDVPPPEPQLS 120

101 100

Db 121 CFRKSLNVVCEMGSPSTBLTTKAVLVRKFNPSAEDFOEPCOYSQESOKFSCQLAV 180

181 PEGDSSFIIVSMCVASSVSGSKSTQTFQCGILODPANITVTAVARNPRLSVTMO 240

Db 181 PEGDSSFYIVSMCVASSVSGSKESKTQTFGCGGILQDPDPANITVTAVARNPRLSVTWQD 240

271 EPHORNOF INUNT ENI INORNOALF I IMVADDOITIV INUAMSGUNIVVUNROBSEFOV 300

301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMOL 334

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Db      301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMEEL 334
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RESULT 13

US-10-282-162-26
; Sequence 26, Application US/10282162

ADDICANT, DEGENERON PHARMACEUTICALS INC

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; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
;
; TITLE OF INVENTION: AND USING

```

CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2003.10.20

;; PRIOR APPLICATION NUMBER: 09/787,835
;; PRIOR FILING DATE: 1999-09-22

PRIOR FILING DATE: 1999-09-22

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; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 26

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      / LENGTH: 1130
      / TYPE: PRT

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US-10-282-162-26

Query match	62.5%	Score 1.788	DB 2.1	Length 1158
Best Local Similarity	99.1%	Pred. No. 2.5e-139		

QY	1	MLAVGALLLAALAAPAAALAPRCPOAEVARGVLTSJPGGSVLTLCGVEPBEDNATYHM	60
Db	1	MVAVGALLLAALAAPAALAPRCPOAEVARGVLTSJPGGSVLTLCGVEPBEDNATYHM	60
QY	61	VLRKPAAGSHPSRRAGMGRRLLLSVOLHDSGNSTRAGRPAGTVHLLVDPPEEPQLS	120
Db	61	VLRKPAAGSHPSRRAGMGRRLLLSVOLHDSGNSTRAGRPAGTVHLLVDPPEEPQLS	120
QY	121	CFRKSPLSNVCEWGPSTPSLTITTKAVILVRKFQNSPAEDFOEBCQVSOESOKFSCOLAV	180
Db	121	CFRKSPLSNVCEWGPSTPSLTITTKAVILVRKFQNSPAEDFOEBCQVSOESOKFSCOLAV	180
QY	181	PEGSSSTIYISMCAASSVGSKESTQTFQCGGIIOPDPRAITTYAVARNRMISVTYMOD	240
Db	181	PEGSSSTIYISMCAASSVGSKESTQTFQCGGIIOPDPRAITTYAVARNRMISVTYMOD	240
QY	241	PHSNNSGFYRLRFLRYRAERSKFTFTTMVVDLOHHCVIDHMSGRLRHVQLRAOEFGQ	300
Db	241	PHSNNSGFYRLRFLRYRAERSKFTFTTMVVDLOHHCVIDHMSGRLRHVQLRAOEFGQ	300
QY	301	GEHSEMSPEAMGTPWTSRSPRPAENNVSTPMQAL	334
Db	301	GEHSEMSPEAMGTPWTSRSPRPAENNVSTPMQAL	334

RESULT 14
US-09-313-942-24
SECURITY 24
INFORMATION INC/0022042

; Patent No. 6472179
; GENERAL INFORMATION:

TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
STATE OF INVENTION: AND TESTING

FILE REFERENCE: REG 203-A
CURRENT APPLICATION NUMBER: US/09/313,942

PRIOR APPLICATION NUMBER: 09/313,942

; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25

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NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0

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; LENGTH: 1168
; TYPE: PRT

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! ORGANISM: Homo sapiens
US-09-313-942-24

Query Match	62.3%	Score 1783;	DB 2;	Length 1168;
Best Local Similarity	99.7%	Pred No	6	6e-139.

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Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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[illegible]

61 VLKPAAGSHPSRWAGMGRLLLRSVQLHDSGNSCYRAGRPACTVHLVDVPPPEPQLS 120

Db 61 VLKPAAGSHPSRWAGMGRLLLRVQLHDSGNYSCYRAGRAGTVHLLVDVPEEPQLS 120

121 CFRKSPLSNVCEMGPRSPSLTTKAVLVRKFNPSPAEDFQEPCCYSGESQKFSQCLAV 180

121 CFKNSFUSNVCLEMWFKOTFSOI IAWWLLVANI QNSFWEDYVBFQISQBPQAI BCYQWV 200

Db 181 PEGASSEYIVSMCVASSVSGESKTOTFOGCGIOPDPANITWTVARNRPTLSYTWOD 240

241 PHSWNSFYRLRFELRYPAERSKTTFTTWVKDIOHHCVIHDAMSGLRHVQVLRAGEEFGQ 300

Db 241 PHSWNSFYRLRFELRYRAERSKFTTMMVKDLQHCVIHDAMSGLRHVVLRAQEEFGQ 300

301 GEMSEMSPEAMGTPMIESKSPFAENEVSIFM 331

Db 301 GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331

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RESULT 15
US-10-282-162-24
; Sequence 24, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: PRC 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24

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Query Match 62.3%; Score 1783; DB 2; Length 1168;
 Best Local Similarity 99.7%; Pred. No. 6.6e-139;
 Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MIAVGCALIALAALAPGALAPRRCPAQAQVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
Db 1 MIAVGCALIALAALAPGALAPRRCPAQAQVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
QY 61 VLKPPAGSHPSRWAGMRLLRSVOLHSGNYSYRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGMRLLRSVOLHSGNYSYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFFKSPLSNVVCEWGPSTPSLTTKAVILVRKFQNSPAEDFOEPCOYSQESQKFSQOLAV 180
Db 121 CFFKSPLSNVVCEWGPSTPSLTTKAVILVRKFQNSPAEDFOEPCOYSQESQKFSQOLAV 180
QY 181 PEGDSSFYIVSMCVASVGSKFTQTFQGGILQDPDPANITVTAVARNPRMLSTWOD 240
Db 181 PEGDSSFYIVSMCVASVGSKFTQTFQGGILQDPDPANITVTAVARNPRMLSTWOD 240
QY 241 PHGMNSSFYRLPELRYRARSKTFTTMVKDLQHCVIDHWSGLRHVVQLRAQEEFGQ 300
Db 241 PHGMNSSFYRLPELRYRARSKTFTTMVKDLQHCVIDHWSGLRHVVQLRAQEEFGQ 300
QY 301 GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331
Db 301 GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331

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Search completed: June 29, 2006, 20:55:16
 Job time : 53 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 29, 2006, 21:06:02 ; Search time 186 Seconds
(without alignments)
1352.289 Million cell updates/sec

Title: US-09-462-416-7
Perfect score: 2861
Sequence: 1 MNAVGCALLAALAAPGAL.....LIIRSFKEFLQSLRALRQW 543

Scoring table: BL0SUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues
Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main.*
1: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US08_PUBCOMB.pep.*
3: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US09_PUBCOMB.pep.*
4: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10_PUBCOMB.pep.*
5: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10_PUBCOMB.pep.*
6: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2772	96.9	569	US-10-485-545A-14	Sequence 14, App1
2	1921	67.1	592	US-09-313-942-8	Sequence 8, App1
3	1921	67.1	592	US-09-935-868-8	Sequence 8, App1
4	1921	67.1	592	US-10-287-035-8	Sequence 8, App1
5	1921	67.1	592	US-10-282-162-8	Sequence 8, App1
6	1921	67.1	592	US-11-134-114-8	Sequence 8, App1
7	1918	67.0	468	US-10-247-463-12	Sequence 12, App1
8	1918	67.0	468	US-10-756-149-5377	Sequence 3377, App1
9	1918	67.0	468	US-11-016-106-12	Sequence 12, App1
10	1910	66.8	360	US-09-313-942-15	Sequence 15, App1
11	1910	66.8	360	US-09-935-868-15	Sequence 15, App1
12	1910	66.8	360	US-10-287-035-15	Sequence 15, App1
13	1910	66.8	360	US-10-282-162-15	Sequence 15, App1
14	1910	66.8	360	US-11-134-114-15	Sequence 15, App1
15	1902	66.5	468	US-10-485-545A-11	Sequence 11, App1
16	1897	66.3	357	US-10-485-545A-13	Sequence 13, App1
17	1891	66.1	364	US-10-485-545A-10	Sequence 10, App1
18	1891	66.1	365	US-10-485-545A-12	Sequence 12, App1
19	1823.5	63.7	453	US-10-332-696-144	Sequence 144, App1
20	1788	62.5	1158	US-09-313-942-26	Sequence 26, App1
21	1788	62.5	1158	US-09-935-868-26	Sequence 26, App1
22	1788	62.5	1158	US-10-287-035-26	Sequence 26, App1
23	1788	62.5	1158	US-10-282-162-26	Sequence 26, App1
24	1788	62.5	1158	US-11-134-114-26	Sequence 26, App1
25	1783	62.3	1168	US-09-313-942-24	Sequence 24, App1
26	1783	62.3	1168	US-09-935-868-24	Sequence 24, App1
27	1783	62.3	1168	US-10-287-035-24	Sequence 24, App1

28	1783	62.3	1168	US-10-282-162-24	Sequence 24, App1
29	1783	62.3	1168	US-11-134-114-24	Sequence 24, App1
30	1683	58.8	315	US-09-313-942-16	Sequence 16, App1
31	1683	58.8	315	US-09-935-868-16	Sequence 16, App1
32	1683	58.8	315	US-10-287-035-16	Sequence 16, App1
33	1683	58.8	315	US-10-282-162-16	Sequence 16, App1
34	1683	58.8	315	US-11-134-114-16	Sequence 16, App1
35	954.5	33.4	387	US-10-322-696-141	Sequence 141, App1
36	954.5	33.4	460	US-10-247-463-13	Sequence 13, App1
37	954.5	33.4	460	US-11-016-106-13	Sequence 13, App1
38	939.5	32.8	266	US-11-043-788-194	Sequence 194, App1
39	938.5	32.8	212	US-09-854-280-14	Sequence 14, App1
40	938.5	32.8	212	US-09-854-208-14	Sequence 14, App1
41	938.5	32.8	212	US-10-039-007A-3	Sequence 3, App1
42	938.5	32.8	212	US-10-400-377-13	Sequence 13, App1
43	938.5	32.8	212	US-10-400-708-13	Sequence 13, App1
44	938.5	32.8	212	US-10-298-148-13	Sequence 13, App1
45	938.5	32.8	212	US-10-440-464-61	Sequence 61, App1

ALIGNMENTS

RESULT 1
US-10-485-545A-14
Sequence 14, Application US/10485545A
Publication No. US20050064558A1
GENERAL INFORMATION:
APPLICANT: University of Wales Cardiff
TITLE OF INVENTION: A Fusion Protein
FILE REFERENCE: P102803PCT
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: SeqWIn99, version 1.02
SEQ ID NO 14
LENGTH: 569
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: IL-6 fusion protein
US-10-485-545A-14

Query Match	96.9%	Score 2772;	DB 5;	Length 569;
Best Local Similarity	95.4%	Pred. No. 2.2e-206;		
Matches 535;	Conservative 0;	Mismatches 6;	Indels 20;	Gaps 3;
QY	1	MNAVGCALLAALAAPGALAPRCPAQEVARGVLTSPGDSVTLTCPGVEPEDNATVHW	60	
DB	1	MNAVGCALLAALAAPGALAPRCPAQEVARGVLTSPGDSVTLTCPGVEPEDNATVHW	60	
QY	61	VLRPAAGSHPSWAGGRLLRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS	120	
DB	61	VLRPAAGSHPSWAGGRLLRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS	120	
QY	121	CFKSPISNVVCEWGPSTSLTKAVLVYRKONSAPEDQFECQSQSOKSCQAV	180	
DB	121	CFKSPISNVVCEWGPSTSLTKAVLVYRKONSAPEDQFECQSQSOKSCQAV	180	
QY	181	PEGDSFYIVSMCVASVSGSKFTQFOCGILPDPANITVTAVARNPRLSVTQD	240	
DB	181	PEGDSFYIVSMCVASVSGSKFTQFOCGILPDPANITVTAVARNPRLSVTQD	240	
QY	241	PHWNSFFYLRBELRYRARSKTFTTWYKDIQHCVIDHANSGLRHVVQLRAQEBFGQ	300	
DB	241	PHWNSFFYLRBELRYRARSKTFTTWYKDIQHCVIDHANSGLRHVVQLRAQEBFGQ	300	
QY	301	GEMSEMSPEAMGTPWTFESRSPAPENESTPMOALTTKDDNITLFRDSANATSLP-----	355	
DB	301	GEMSEMSPEAMGTPWTFESRSPAPENESTPMOALTTKDDNITLFRDSANATSLP-----	355	

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QY 356 -----VERMPVPBGDSKDVAAPHRQPLTSSERIDKQIRYILDGISAIRKET 402
DB 361 GSGGLGGGGGGGSLBPPBGDSKDVAAPHRQPLTSSERIDKQIRYILDGISA-RKET 419
QY 403 CNKSNMCESSKEALANNLNPMAEKDGCFOGFBETCLVKITGLLEFEVYLEYLN 462
DB 420 CNKSNMCESSKEALANNLNPMAEKDGCFOGFBETCLVKITGLLEFEVYLEYLN 479
QY 463 REFSSEQARAVQMTSKVLIQFLQKKAKNIDAITTPDPTTNASLITKLOAQONQMLQDMTT 522
DB 480 REFSSEQARAVQMTSKVLIQF-QKAKNIDAITTPDPTTNASLITKLOAQONQMLQDMTT 538
QY 523 HILRSFKETLQSSILRALROM 543
DB 539 HILRSFKETLQSSILRALROM 559

```

RESULT 2

```

US-09-313-942-8
; Sequence 8, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-313-942-8

```

```

Query Match 67.1%; Score 1921; DB 3; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

```

```

QY 1 MNAVGCALLAALIAAIPGALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVBPEDNATVHW 60
DB 1 MNAVGCALLAALIAAIPGALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVBPEDNATVHW 60
QY 61 VARPPAGSHPSRWAGMGRRLLRVSQVLDHSGNVCYRAGRPAQVHLLVDVPEEPQLS 120
DB 61 VARPPAGSHPSRWAGMGRRLLRVSQVLDHSGNVCYRAGRPAQVHLLVDVPEEPQLS 120
QY 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCQSQSQSFSCQLAV 180
DB 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCQSQSQSFSCQLAV 180
QY 181 PBGDSFFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
DB 181 PBGDSFFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRYRARSKTFTTMMVKDQHHCVIHDAMSGLRHVQVLAQBEFFQ 300
DB 241 PHSWNSFFYRLRFLRYRARSKTFTTMMVKDQHHCVIHDAMSGLRHVQVLAQBEFFQ 300
QY 301 GEWSSESPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFDSANATSLPYEFMP 360
DB 301 GEWSSESPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFDSANATSLPYEQ--- 357
QY 361 VPPGDSKDVAAPHRQPLTSSERIDKQIRYILDGISAIRKETCNKSNMCE--SSKEALAE 418
DB 358 -----DAGBP-----KSCDKHTHTCPCPAPRLG 382

```

```

QY 419 NNINLPMKAEKDCFOGFBETCLVKIT---GLLEFEVYLEYQ---NRFSSSEQAR 472
DB 383 PSVFLFPPPKDQTLMSIRPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTPREEQYN 442
QY 473 AVQMTSKVL 481
DB 443 STYRVSVL 451

```

RESULT 3

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US-09-935-868-8
; Sequence 8, Application US/0935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-935-868-8

```

```

Query Match 67.1%; Score 1921; DB 3; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

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QY 1 MNAVGCALLAALIAAIPGALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVBPEDNATVHW 60
DB 1 MNAVGCALLAALIAAIPGALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVBPEDNATVHW 60
QY 61 VARPPAGSHPSRWAGMGRRLLRVSQVLDHSGNVCYRAGRPAQVHLLVDVPEEPQLS 120
DB 61 VARPPAGSHPSRWAGMGRRLLRVSQVLDHSGNVCYRAGRPAQVHLLVDVPEEPQLS 120
QY 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCQSQSQSFSCQLAV 180
DB 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCQSQSQSFSCQLAV 180
QY 181 PBGDSFFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
DB 181 PBGDSFFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRYRARSKTFTTMMVKDQHHCVIHDAMSGLRHVQVLAQBEFFQ 300
DB 241 PHSWNSFFYRLRFLRYRARSKTFTTMMVKDQHHCVIHDAMSGLRHVQVLAQBEFFQ 300
QY 301 GEWSSESPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFDSANATSLPYEFMP 360
DB 301 GEWSSESPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFDSANATSLPYEQ--- 357
QY 361 VPPGDSKDVAAPHRQPLTSSERIDKQIRYILDGISAIRKETCNKSNMCE--SSKEALAE 418
DB 358 -----DAGBP-----KSCDKHTHTCPCPAPRLG 382
QY 419 NNINLPMKAEKDCFOGFBETCLVKIT---GLLEFEVYLEYQ---NRFSSSEQAR 472
DB 383 PSVFLFPPPKDQTLMSIRPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTPREEQYN 442
QY 473 AVQMTSKVL 481
DB 443 STYRVSVL 451

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```

RESULT 4
US-10-287-035-8
; Sequence 8, Application US/10287035

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```

; Publication No. US20030104567A1
; GENERAL INFORMATION:
; APPLICANT: Neil Stahl and George D. Yancopoulos
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203DA
; CURRENT APPLICATION NUMBER: US/10/287,035
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: USSN 09/935,868
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: USSN 09/787,835
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: USSN 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-035-8

Query Match      67.1%; Score 1921; DB 4; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

QY 1 MLAVGCLLAAALAPGALAPRCPOAEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAVGCLLAAALAPGALAPRCPOAEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNYCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNYCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
DB 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
QY 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
DB 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
QY 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFGQ 300
DB 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFGQ 300
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
QY 361 VPGEDESKDVAAPRQQLTSSERIDKQIRYILDGISALRKETCKSNMCE--SSKEALAE 418
DB 361 VPGEDESKDVAAPRQQLTSSERIDKQIRYILDGISALRKETCKSNMCE--SSKEALAE 418
QY 358 -----DAGEP-----KSCDKHTTCPCPCAPPELLGG 382
DB 358 -----DAGEP-----KSCDKHTTCPCPCAPPELLGG 382
QY 419 NNINLPMAEKDGCFOGFEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
DB 419 NNINLPMAEKDGCFOGFEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
QY 473 AVOMSTKVL 481
DB 473 AVOMSTKVL 481
QY 443 STYRVVSVL 451
DB 443 STYRVVSVL 451

RESULT 5
US-10-282-162-8
; Sequence 8, Application US/10282162
; Publication No. US20030143697A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

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; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8

Query Match      67.1%; Score 1921; DB 4; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

QY 1 MLAVGCLLAAALAPGALAPRCPOAEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAVGCLLAAALAPGALAPRCPOAEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNYCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNYCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
DB 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
QY 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
DB 121 CFRKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEQYQSOESQKSCOLAV 180
QY 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIIVSMCYAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFGQ 300
DB 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFGQ 300
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKKDDNILFRDSANATSLPVEFMP 360
QY 361 VPGEDESKDVAAPRQQLTSSERIDKQIRYILDGISALRKETCKSNMCE--SSKEALAE 418
DB 361 VPGEDESKDVAAPRQQLTSSERIDKQIRYILDGISALRKETCKSNMCE--SSKEALAE 418
QY 358 -----DAGEP-----KSCDKHTTCPCPCAPPELLGG 382
DB 358 -----DAGEP-----KSCDKHTTCPCPCAPPELLGG 382
QY 419 NNINLPMAEKDGCFOGFEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
DB 419 NNINLPMAEKDGCFOGFEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
QY 473 AVOMSTKVL 481
DB 473 AVOMSTKVL 481
QY 443 STYRVVSVL 451
DB 443 STYRVVSVL 451

RESULT 6
US-11-134-114-8
; Sequence 8, Application US/11134114
; Publication No. US20050222033A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
; FILE REFERENCE: 203CI
; CURRENT APPLICATION NUMBER: US/11/134,114
; CURRENT FILING DATE: 2005-05-20
; PRIOR APPLICATION NUMBER: 10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 2001-03-22

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PRIOR APPLICATION NUMBER: PCT/US99/22045
 PRIOR FILING DATE: 1999-09-22
 PRIOR APPLICATION NUMBER: 09/313,942
 PRIOR FILING DATE: 1999-05-19
 PRIOR APPLICATION NUMBER: 60/101,858
 PRIOR FILING DATE: 1998-09-25
 NUMBER OF SEQ ID NOS: 56
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO: 8
 LENGTH: 592
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-134-114-8

Query Match 67.1%; Score 1921; DB 6; Length 592;
 Best Local Similarity 77.1%; Pred. No. 3.1e-140;
 Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

QY 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 DB 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 QY 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 181 PRGDSFFYIVSMCVASVSGSKFSKTOTFOGCGILOPDPANITVTAAARNPRLSTWOD 240
 DB 181 PRGDSFFYIVSMCVASVSGSKFSKTOTFOGCGILOPDPANITVTAAARNPRLSTWOD 240
 QY 241 PSHWSSFYRLRFLRYRERSKFTTMMVKDLQHHCVIHDAMSGLRHVQLRAQEEFQ 300
 DB 241 PSHWSSFYRLRFLRYRERSKFTTMMVKDLQHHCVIHDAMSGLRHVQLRAQEEFQ 300
 QY 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFSDANATSLPVEFMP 360
 DB 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFSDANATSLPVEFMP 360
 QY 361 VPPGDSKDVAAAPRPLTSSERIDKQIRYILDIGISALRKETKSNMCE--SSKEALAE 418
 DB 358 -----DAGP-----KSCDKHTTCCPCAPRLDGG 382
 QY 419 NNILPRMAEKDCCFOGFEETCLVYKILT--GLLEFEVYLYEQ--NRFSSSEQAR 472
 DB 383 PSVFLPRPKDITLMSRPEVTCVVVDVSHEDPEVKFMVYDGVENAKTKRPREQYV 442
 QY 473 AVQGSTKVL 481
 DB 443 STYRVVSVL 451

RESULT 7
 US-10-247-463-12
 Sequence 12, Application US/10247463
 Publication No. US20030082734A1
 GENERAL INFORMATION:
 APPLICANT: Dowling, Lynette M.
 APPLICANT: Timans, Jacqueline C.
 APPLICANT: Gorman, Daniel M.
 APPLICANT: Kastelein, Robert A.
 APPLICANT: Bazan, J. Fernando
 TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
 TITLE OF INVENTION: Methods
 FILE REFERENCE: DX09920
 CURRENT APPLICATION NUMBER: US/10/247,463
 CURRENT FILING DATE: 2002-09-18
 PRIOR APPLICATION NUMBER: US/09/568,113
 PRIOR FILING DATE: 2000-05-31
 NUMBER OF SEQ ID NOS: 13

SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 12
 LENGTH: 468
 TYPE: PRT
 ORGANISM: primate
 US-10-247-463-12

Query Match 67.0%; Score 1918; DB 4; Length 468;
 Best Local Similarity 96.5%; Pred. No. 3.8e-140;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 DB 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 QY 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 181 PRGDSFFYIVSMCVASVSGSKFSKTOTFOGCGILOPDPANITVTAAARNPRLSTWOD 240
 DB 181 PRGDSFFYIVSMCVASVSGSKFSKTOTFOGCGILOPDPANITVTAAARNPRLSTWOD 240
 QY 241 PSHWSSFYRLRFLRYRERSKFTTMMVKDLQHHCVIHDAMSGLRHVQLRAQEEFQ 300
 DB 241 PSHWSSFYRLRFLRYRERSKFTTMMVKDLQHHCVIHDAMSGLRHVQLRAQEEFQ 300
 QY 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFSDANATSLPVEFMP 360
 DB 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFSDANATSLPVEFMP 360
 QY 361 VPPGDSKDVAAAP 373
 DB 357 -----QDSSVPLP 365

RESULT 8
 US-10-756-149-5377
 Sequence 5377, Application US/10756149
 Publication No. US20050181375A1
 GENERAL INFORMATION:
 APPLICANT: Aziz, Natcha
 APPLICANT: Zlotnik, Albert
 TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
 TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
 FILE REFERENCE: file
 CURRENT APPLICATION NUMBER: US/10/756,149
 CURRENT FILING DATE: 2004-01-12
 NUMBER OF SEQ ID NOS: 5818
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 5377
 LENGTH: 468
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-10-756-149-5377

Query Match 67.0%; Score 1918; DB 5; Length 468;
 Best Local Similarity 96.5%; Pred. No. 3.8e-140;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 DB 1 MAAVGCALAAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
 QY 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPSRMAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTAKVLLVRKFQNSPADPQPCQYSGESQKFSQCLAV 180

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Db      121  |||||
Qy      181  |||||
Db      181  |||||
Qy      241  |||||
Db      241  |||||
Qy      301  |||||
Db      301  |||||
Qy      361  |||||
Db      357  |||||

```

RESULT 9

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US-11-016-106-12
; Sequence 12, Application US/11016106
; Publication No. US20050106673A1
; GENERAL INFORMATION:
; APPLICANT: Dowling, Lynette M.
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
; FILE OF INVENTION: Methods
; FILE REFERENCE: DX0992Q
; CURRENT APPLICATION NUMBER: US/11/016,106
; PRIOR FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/568,113
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
; US-11-016-106-12

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Query Match Best Local Similarity 67.0%; Score 1918; DB 6; Length 468;

Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

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Qy      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Db      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Qy      121  CPEKSPLSNVVCGMGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYSQSKFSCQLAV 180
Db      121  CPEKSPLSNVVCGMGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYSQSKFSCQLAV 180
Qy      181  PEDGSSFYIVSMCVASVSGSKFQTOFOCGILQDPDPANITVTAAARNPRLSVTWOD 240
Db      181  PEDGSSFYIVSMCVASVSGSKFQTOFOCGILQDPDPANITVTAAARNPRLSVTWOD 240
Qy      241  PHSWNSFYRLRFLRYRAERSKFTTMMVKDIQHCVHIDAMSGLRHVQLRAQEEFGQ 300
Db      241  PHSWNSFYRLRFLRYRAERSKFTTMMVKDIQHCVHIDAMSGLRHVQLRAQEEFGQ 300
Qy      301  GEMSESPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEFMP 360
Db      301  GEMSESPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEFMP 360

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Qy      361  VPEGDSKDVAP 373
Db      357  ----QDSSSVPLP 365

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RESULT 10

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US-09-313-942-15
; Sequence 15, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-313-942-15

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Query Match Best Local Similarity 66.8%; Score 1910; DB 3; Length 360;

Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Db      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Qy      121  CPEKSPLSNVVCGMGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYSQSKFSCQLAV 180
Db      121  CPEKSPLSNVVCGMGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYSQSKFSCQLAV 180
Qy      181  PEDGSSFYIVSMCVASVSGSKFQTOFOCGILQDPDPANITVTAAARNPRLSVTWOD 240
Db      181  PEDGSSFYIVSMCVASVSGSKFQTOFOCGILQDPDPANITVTAAARNPRLSVTWOD 240
Qy      241  PHSWNSFYRLRFLRYRAERSKFTTMMVKDIQHCVHIDAMSGLRHVQLRAQEEFGQ 300
Db      241  PHSWNSFYRLRFLRYRAERSKFTTMMVKDIQHCVHIDAMSGLRHVQLRAQEEFGQ 300
Qy      301  GEMSESPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE 357
Db      301  GEMSESPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE 357

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RESULT 11

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US-09-935-868-15
; Sequence 15, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 15
; LENGTH: 360

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TYPE: PRT
ORGANISM: Homo sapiens
US-09-935-868-15

Query Match 66.8%; Score 1910; DB 3; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120
QY 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 12
US-10-287-035-15
Sequence 15, Application US/10287035
Publication No. US20030104567A1
GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USSN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-287-035-15

Query Match 66.8%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120

QY 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 13
US-10-282-162-15
Sequence 15, Application US/10282162
Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 66.8%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGCALLAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTTHLLVDVPEEPOLLS 120
QY 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSSLTTKAVLLVRKFQNSPADFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFFIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMMVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 14
US-11-134-114-15
Sequence 15, Application US/11134114

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Publication No. US2005022033A1
GENERAL INFORMATION:
APPLICANT: Stahl, Neil
APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
FILE REFERENCE: 203C1
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-11-134-114-15

Query Match      66.8%; Score 1910; DB 6; Length 360;
Best Local Similarity 99.4%; Pred. No. 1,1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MNAVGCALLAALLAALPAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MNAVGCALLAALLAALPAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKRPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
DB 61 VLKRPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQNSPAEDFOEQCOYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQNSPAEDFOEQCOYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFOGCGIILQPPPANITVTAVARNRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFOGCGIILQPPPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNNSFFYRLRFLRLRYRAERSKFTTMMVKDLQHCYIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSNNSFFYRLRFLRLRYRAERSKFTTMMVKDLQHCYIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357

RESULT 15
US-10-485-545A-11
Sequence 11, Application US/10485545A
Publication No. US20050064558A1
GENERAL INFORMATION:
APPLICANT: University College Cardiff
APPLICANT: University of Wales College of Medicine
FILE REFERENCE: P102803PCT
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Seqwin9, version 1.02
SEQ ID NO 11
LENGTH: 468
TYPE: PRT
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ORGANISM: homo sapien
US-10-485-545A-11

Query Match      66.5%; Score 1902; DB 5; Length 468;
Best Local Similarity 96.0%; Pred. No. 6.7e-139;
Matches 358; Conservative 1; Mismatches 6; Indels 8; Gaps 1;

QY 1 MNAVGCALLAALLAALPAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MNAVGCALLAALLAALPAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKRPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
DB 61 VLKRPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQNSPAEDFOEQCOYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQNSPAEDFOEQCOYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFOGCGIILQPPPANITVTAVARNRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFOGCGIILQPPPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNNSFFYRLRFLRLRYRAERSKFTTMMVKDLQHCYIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSNNSFFYRLRFLRLRYRAERSKFTTMMVKDLQHCYIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVEFMP 360
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 356

361 VPPGEDSKDYAAP 373
357 ----QDSSSVLP 365
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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 29, 2006, 21:06:26 ; Search time 20 Seconds

(without alignments)
641.274 Million cell updates/sec

Title: US-09-462-416-7

Perfect score: 1 MAAVGCALALALAAAPCAL.....LIRSRKPEFLQSSLRALRQW 543

Sequence: BLOSUM62

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.New.*

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- 2: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 3: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 4: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 5: /EMC_Celerra_SIDS3/prodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 6: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 7: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 8: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	938.5	32.8	212	6	US-10-505-928-453 Sequence 453, App
2	938.5	32.8	212	6	US-10-511-937-2489 Sequence 2489, App
3	938.5	32.8	212	6	US-10-933-854-11 Sequence 11, App
4	303	10.6	368	6	US-10-449-902-38075 Sequence 38075, A
5	201	7.0	422	7	US-11-296-092-32 Sequence 32, App
6	201	7.0	422	7	US-11-296-155-32 Sequence 32, App
7	139	4.9	229	7	US-11-297-134-8 Sequence 8, App
8	128.5	4.5	885	6	US-10-505-928-432 Sequence 432, App
9	128.5	4.5	885	6	US-10-511-251-465-20 Sequence 20, App
10	128.5	4.5	1005	7	US-11-259-133-21 Sequence 21, App
11	127	4.4	894	7	US-11-251-465-21 Sequence 21, App
12	120	4.2	440	7	US-11-251-465-65 Sequence 65, App
13	120	4.2	449	7	US-11-251-465-68 Sequence 68, App
14	119	4.2	4391	7	US-11-183-325-56 Sequence 56, App
15	113.5	4.0	836	6	US-10-511-937-2988 Sequence 2988, App
16	113	3.9	639	7	US-11-246-999-33 Sequence 33, App
17	113	3.9	697	7	US-11-246-999-149 Sequence 149, App
18	108	3.8	213	7	US-11-263-330-333 Sequence 333, App
19	108	3.8	661	6	US-10-953-349-19030 Sequence 19030, A
20	107.5	3.8	214	7	US-11-219-121-33 Sequence 33, App
21	107.5	3.8	218	7	US-11-254-182-39 Sequence 39, App
22	107	3.7	213	7	US-11-263-330-217 Sequence 217, App
23	107	3.7	213	7	US-11-174-287-6 Sequence 6, App
24	107	3.7	213	7	US-11-256-060-16 Sequence 16, App
25	106	3.7	213	7	US-11-263-230-211 Sequence 211, App

26	106	3.7	213	7	US-11-263-230-231 Sequence 231, App
27	106	3.7	213	7	US-11-263-230-233 Sequence 233, App
28	106	3.7	213	7	US-11-263-230-239 Sequence 239, App
29	106	3.7	213	7	US-11-263-230-247 Sequence 247, App
30	106	3.7	572	7	US-11-269-117-2 Sequence 2, App
31	105.5	3.7	214	7	US-11-219-121-29 Sequence 29, App
32	105.5	3.7	214	7	US-11-219-121-31 Sequence 31, App
33	104.5	3.7	233	7	US-11-219-563-130 Sequence 130, App
34	104.5	3.7	635	6	US-10-511-937-2424 Sequence 2424, App
35	104	3.6	213	7	US-11-263-230-229 Sequence 229, App
36	104	3.6	213	7	US-11-263-230-245 Sequence 245, App
37	104	3.6	213	7	US-11-263-230-249 Sequence 249, App
38	104	3.6	213	7	US-11-263-230-255 Sequence 255, App
39	104	3.6	529	7	US-11-154-977-6 Sequence 6, App
40	104	3.6	529	7	US-11-154-977-81 Sequence 81, App
41	104	3.6	591	6	US-10-953-349-32069 Sequence 32069, A
42	103	3.6	213	7	US-11-263-230-237 Sequence 237, App
43	103	3.6	213	7	US-11-263-230-318 Sequence 318, App
44	103	3.6	411	7	US-11-154-977-83 Sequence 83, App
45	103	3.6	1097	6	US-10-449-902-56630 Sequence 56630, A

ALIGNMENTS

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RESULT 1
US-10-505-928-453      Application US/10505928
; Sequence 453, App
; Publication No. US20060086532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 453
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-505-928-453

Query Match      32.8%; Score 938.5; DB 6; Length 212;
Best Local Similarity 97.9%; Pred. No. 6.1e-62;
Matches 187; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY      354 LPVEF-MPVPGEDSKDVAAPHROPLTSSERIDKQIRYIIDGISALRKETCNKSMCESS 412
      |||
Db      22 LPAPAPVPVPGEDSKDVAAPHROPLTSSERIDKQIRYIIDGISALRKETCNKSMCESS 81

QY      413 KEALAERNLNLPMARERDGFQSGFNEETLVKITGLLEFEVYLETQNRPFESSEORAR 472
      |||
Db      82 KEALAERNLNLPMARERDGFQSGFNEETLVKITGLLEFEVYLETQNRPFESSEORAR 141

QY      473 AVGMSTKVLQFOFKAKXNDATTTPTTNASLTLTQANONOWLOMTHTLIRSRKEF 532
      |||
Db      142 AVGMSTKVLQFOFKAKXNDATTTPTTNASLTLTQANONOWLOMTHTLIRSRKEF 201

QY      533 LQSSLRALRQW 543
      |||
Db      202 LQSSLRALRQW 212

RESULT 2
US-10-511-937-2489
; Sequence 2489, Application US/10511937
; Publication No. US2006008836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wohlgenuth, Jay
```

/ APPLICANT: Fry, Kirk
 / APPLICANT: Woodward, Robert
 / APPLICANT: Ly, Ngoc
 / APPLICANT: Prentice, James
 / APPLICANT: Morris, Macdonald
 / APPLICANT: Rosenberg, Steven
 / TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
 / FILE REFERENCE: 506612000104
 / CURRENT APPLICATION NUMBER: US/10/511,937
 / PRIOR FILING DATE: 2004-10-19
 / PRIOR APPLICATION NUMBER: PCT/US2003/012946
 / PRIOR FILING DATE: 2003-04-24
 / PRIOR APPLICATION NUMBER: US 10/131,831
 / PRIOR FILING DATE: 2002-04-24
 / PRIOR APPLICATION NUMBER: US 10/325,899
 / PRIOR FILING DATE: 2002-12-20
 / NUMBER OF SEQ ID NOS: 3117
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO 2489
 / LENGTH: 212
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-10-511-937-2489

Query Match 32.8%; Score 938.5; DB 6; Length 212;

*Best Local Similarity 97.9%; Pred. No. 6.1e-62; Matches 187; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 354 LPVEF-MPYPGSDSDVAAPHROPITSSERIDKQIRYILDGISALRKETCNKNCESS 412
 DB 22 LPAAPAPVPPGSDSDVAAPHROPITSSERIDKQIRYILDGISALRKETCNKNCESS 81
 QY 413 KEALANNLNLPRMAEKDCFGSGFNEETCLVKIITGLLEFEVYLYLQNRFFSSSEQAR 472
 DB 82 KEALANNLNLPRMAEKDCFGSGFNEETCLVKIITGLLEFEVYLYLQNRFFSSSEQAR 141
 QY 473 AVOMSTKVLIQFOKKAKNLDATTPDPTTNASLITKLOAONOWLODMTHLILRSFKEF 532
 DB 142 AVOMSTKVLIQFOKKAKNLDATTPDPTTNASLITKLOAONOWLODMTHLILRSFKEF 201
 QY 533 LOSSLRALROM 543
 DB 202 LOSSLRALROM 212

RESULT 3
US-10-933-854-11

/ Sequence 11, Application US/10933854
 / Publication No. US20060105347A1
 / GENERAL INFORMATION:
 / APPLICANT: GTC Biotechnology, Inc.
 / APPLICANT: Meade, Harry
 / APPLICANT: Cox, Geoffrey F.
 / TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
 / FILE REFERENCE: GTC-220 PCT
 / CURRENT APPLICATION NUMBER: US/10/933,854
 / CURRENT FILING DATE: 2004-09-03
 / PRIOR APPLICATION NUMBER: 60/500,910
 / PRIOR FILING DATE: 2003-09-05
 / NUMBER OF SEQ ID NOS: 35
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO 11
 / LENGTH: 212
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: misc feature
 / OTHER INFORMATION: Human & Interferon Variant 2A
 / PUBLICATION INFORMATION:
 / DATABASE ACCESSION NUMBER: Genbank/EMBL/DBJ Accession No. CAA00839
 / DATABASE ENTRY DATE: 1993-12-03

/ RELEVANT RESIDUES: (1)..(212)
 / US-10-933-854-11

Query Match 32.8%; Score 938.5; DB 6; Length 212;
 Best Local Similarity 97.9%; Pred. No. 6.1e-62;
 Matches 187; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 354 LPVEF-MPYPGSDSDVAAPHROPITSSERIDKQIRYILDGISALRKETCNKNCESS 412
 DB 22 LPAAPAPVPPGSDSDVAAPHROPITSSERIDKQIRYILDGISALRKETCNKNCESS 81
 QY 413 KEALANNLNLPRMAEKDCFGSGFNEETCLVKIITGLLEFEVYLYLQNRFFSSSEQAR 472
 DB 82 KEALANNLNLPRMAEKDCFGSGFNEETCLVKIITGLLEFEVYLYLQNRFFSSSEQAR 141
 QY 473 AVOMSTKVLIQFOKKAKNLDATTPDPTTNASLITKLOAONOWLODMTHLILRSFKEF 532
 DB 142 AVOMSTKVLIQFOKKAKNLDATTPDPTTNASLITKLOAONOWLODMTHLILRSFKEF 201
 QY 533 LOSSLRALROM 543
 DB 202 LOSSLRALROM 212

RESULT 4
US-10-449-902-38075

/ Sequence 38075, Application US/10449902
 / Publication No. US20060123505A1
 / GENERAL INFORMATION:
 / APPLICANT: National Institute of Agricultural Sciences.
 / APPLICANT: Bio-oriented Technology Research Advancement Institution.
 / APPLICANT: The Institute of Physical and Chemical Research.
 / APPLICANT: Foundation for Advancement of International Science.
 / TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USBS THEREOF
 / FILE REFERENCE: MOA-A0205Y1-US
 / CURRENT APPLICATION NUMBER: US/10/449,902
 / CURRENT FILING DATE: 2003-05-29
 / PRIOR APPLICATION NUMBER: JP 2002-203269
 / PRIOR FILING DATE: 2002-05-30
 / PRIOR APPLICATION NUMBER: JP 2002-383870
 / PRIOR FILING DATE: 2002-12-11
 / NUMBER OF SEQ ID NOS: 56791
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 38075
 / LENGTH: 368
 / TYPE: PRT
 / ORGANISM: Oryza sativa
 / US-10-449-902-38075

Query Match 10.6%; Score 303; DB 6; Length 368;

*Best Local Similarity 28.4%; Pred. No. 5.1e-15; Matches 108; Conservative 44; Mismatches 148; Indels 80; Gaps 17;

QY 12 LLAAPGAALAPRCPAQEVARGVLTSLPDSVTLTQGVPEBDNATVHWLARKPAAGSHP 71
 DB 12 VLAAGVAAYAGNR---SQDDTHVLYERLSDVTLPC-GTAAMGTATYWRNGDLEAAHY 67
 QY 72 SRMAGGRLLRSVOLHDSGNTSCYRAG---RPAQVHLVDPPEPQLSCFRKSP 127
 DB 68 N-----GSQLVEGLDLSHGSHYACVQGSWMILRYDALH--VGMPPREBVLTCRNSYP 120
 QY 128 SNVVCW---GPRSTSLTTKAVLVLRKF---ONSAPDFQBECCQSQBSQKSCQLAVP 181
 DB 121 KGFYCSWHLPSPTFTNTNTVTLVHSGKLGCCKDA-----PKRCHIRYT 167
 QY 182 EGDSSF-YIVSMCVASVGSKFTQTFOGCGIIPDPANITVTVANPRMSTYWD 240
 DB 168 HLESTYKIVTLVTYNALGHN-STATFDEFITVKKDPEENVAVRVPSPRLVETWOT 226
 QY 241 PHSW-NSSFYRLFEILRYAERSKFTTMMVYDLQHC-----VIHDAMGLRHVVQ 291
 DB 227 PSMWPDESFPKFFLRYP-----LIDQOMQHVLSDGTHTITDAVAGKEYIIQ 277

QY 292 LRAOERGOESENSEMPANGTPTESRSPAEENEVSTPMOALTNNKDDNILFRDSANA 351
Db 278 VAAKDN-EIGTWSJDSVAAHATPTTEE-----PRYLTEAQAPE-----T 317
QY 352 TSLPVEFMPVP-----PAGE 365
Db 318 TTTTSTFVPPTTKICDPGE 337

RESULT 5
US-11-296-092-32
; Sequence 32, Application US/11296092
; Publication No. US20060105427A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Batstein, David
; APPLICANT: Batton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geriltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P254BP1C1
; CURRENT APPLICATION NUMBER: US/11/296, 092
; CURRENT FILING DATE: 2005-12-07
; PRIOR APPLICATION NUMBER: US/09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 686
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 870
; PRIOR FILING DATE: December 17, 1997
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 32
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-296-092-32

Query Match 7.0%; Score 201; DB 7; Length 422;
Best local similarity 24.7%; Pred. No. 1, Be-07;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

QY 8 LLAALLAAPA-----ALAPRCPAQEVARGVITSLPGDSVTLTGPCVEPEDNATVHW 61
Db 24 LLLCVLGAFFAGSGAHTAVISPCPP-----TLTIGSSILATC-----SVHG- 64
QY 62 LRRPAAGSHSRVAGMGRLL-----LRSVQJHSGNYSCT-RAGRP 102

Db 65 -DEPGATAEGLYTTINGRRLPPBELSRVLANSTLALANINGSRQSRGDNILVCHARDGI 123
QY 103 AGTVHLLVDVPEEP-QLSCFRKSPLSNVCEMP-----RSTPLTKAVLVYK 153
Db 124 LAGSCLYVGLPPEKPVNISCMXKN-MKDLTCRWTPGAGETPLHTNYSLYK-----LRWY 178
QY 154 -QNSPADPQEPQCYQSGESQFCQALAVPBGDSF--YIYSMCVASSVSGSKFSTQTFQG 210
Db 179 GQDNTCEEYHTVGP-----SCH--IPKDLALFTPEIWEATNRLSGARSVDLTLDI 229
QY 211 CGILQPPDPAITVTAVARNRPMISTWODPHSMNSFYRLRPELRARARSKTFTTMV 270
Db 230 LDVYTTDPPDVAVSRVGLSEDQLSVRWSPPLKDLFPQAKQIRYVEDS---VWKKV 286
QY 271 KD---LOHNCVHIDAMSGLRHVYQLRAQEEFG-----QGEWSEWS-PEAMGTPTWTSRS 320
Db 287 VDDVSNQTSCLGLKRGTYFVQVRC-NPFGIYGSKKAGIWESEWSPHTAASRSPRG 345
QY 321 P-----PAENEVSTPMOALTNNKDDNILFR 346
Db 346 PGGAGEPRGEBSSGPRRELKQFLGWLKHAVCNLSFR 386

RESULT 6
US-11-296-155-32
; Sequence 32, Application US/11296155
; Publication No. US20060127983A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Batstein, David
; APPLICANT: Batton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geriltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P254BP1C1
; CURRENT APPLICATION NUMBER: US/11/296, 155
; CURRENT FILING DATE: 2005-12-06
; PRIOR APPLICATION NUMBER: US/09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 278
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 686
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 870
; PRIOR FILING DATE: December 17, 1997
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 32
; LENGTH: 422

TYPE: PRT
ORGANISM: Homo Sapien
US-11-296-155-32

Query Match 7.0%; Score 201; DB 7; Length 422;
Best Local Similarity 24.7%; Pred. No. 1.8e-07;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

```

QY 8 LLAALLAARPA-----ALAPRRCPAOFVARGVLTSLPGDSVTLTCPCGPEEDNATVHWY 61
DB 24 LLLCVLGAAPRAGGANTAVISPDP-----TLTIGSLTATC-----SVHG- 64
QY 62 LRKPAAGSHPSRAGMGRL-----LIRSVOLHDSGNYSCY-RAGRP 102
DB 65 -DEPGATBEGLYTLNGRLRPLPSRYLNASTLALALANLNGSRQSGMDLVCHADGSI 123
QY 103 AGTVHLLVDVPEEP-QLSCFRKSPLSNVCEWGP-----RSTPSLTTKAVLLVRKE 153
DB 124 LAGSCLYVGLPEKPVNISCMSKN-MKDLTCRMTPGAHGRTPLHTVYSLKYK---LRWY 178
QY 154 -QNSPADPOEPQYQSOESQKFCQOLAVPEGDSF--YIVSMCVASVSGSKFTQTFQG 210
DB 179 GDNTCEBYHTVGPH-----SCH--IPKDLALFTPYEITWVETATRLGARSADVLTLDI 229
QY 211 CGLQDPPANITVTAVARNPRLSVTWQDPHSMNSFYRLRELYRARSKTFTTMY 270
DB 230 LDVYTTDPPDVAVSRVGLLEDQLSVAMWSPALKDFLPAKQIRKRVDS---VDMKV 286
QY 271 KD---LQHNCHIDAMSGLRHVVLRAOBEFG-----QGEWSEWS-PEAMGTPTTESRS 320
DB 287 VDDVNSQTSRLGLKRGTYVYQVRC-NPFGIYSGKKGIWSEMSPTAASTPRSERPG 345
QY 321 P-----PAENEVSTPMQALTTNKDDNILFR 346
DB 346 PGGACPRGSRPSGFRRELKQFLGWLKGAVCNLSFR 386

```

RESULT 7

US-11-297-134-8
Sequence 8, Application US/11297134
Publication No. US2006011297A1
GENERAL INFORMATION:
APPLICANT: Genzyme Corporation
APPLICANT: Roberts, Bruce
TITLE OF INVENTION: BLOOD FACTOR DOMAINS
FILE REFERENCE: 5270C
CURRENT APPLICATION NUMBER: US/11/297,134
CURRENT FILING DATE: 2005-12-08
PRIOR APPLICATION NUMBER: PCT/US2005/018461
PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/477,291
PRIOR FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8
LENGTH: 229
TYPE: PRT
ORGANISM: Homo sapiens
US-11-297-134-8

Query Match 4.9%; Score 139; DB 7; Length 229;
Best Local Similarity 23.8%; Pred. No. 0.0029;
Matches 54; Conservative 33; Mismatches 100; Indels 34; Gaps 10;

```

QY 98 RAGRPAGTVHLLVDVPEEPQLSC-FRKSPLSNVCEWGPSTPSLTTKAVLLVRKONS 156
DB 21 RKQPPALAT-----LPRVOCRASRYPIA-VDCSWTLPPAPNSTRSPVSFIATRYLGM 70
QY 157 PADPDQEPQYQSOESQKFCQOLAVPEGDSFYIVSMCVASVSGSKFTQTFQGCGILO 215
DB 71 AAGGHWPC-LQOTPTSTCTITDVOLFSAAPYLVANTAVHPWGS-SFVPEPTIHTIK 128
QY 216 PDPPANITVTAVARNPRLSVTWQDPHSMN-SSFYRLRFLRYRARSKTF-----T 266

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DB 129 PDPEGRULSPLAE--KOLQVOMEPSPFPPEIFSLKTIWKYKQGAARFHHVGPTEAT 186
QY 267 TMMVKDLOHNCVHIDAMSGLRHVVLRAOBEFGQGEWSEMSPEAMGT 313
DB 187 SFILRAVBRRA-----RYVYVAAQDLDTYGEISDMSLPATAT 224

```

RESULT 8

US-10-505-928-432
Sequence 432, Application US/10505928
Publication No. US2006008532A1
GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research et al.
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PatentIn 3.2
SEQ ID NO 432
LENGTH: 885
TYPE: PRT
ORGANISM: Homo sapiens
US-10-505-928-432

Query Match 4.5%; Score 128.5; DB 6; Length 885;
Best Local Similarity 18.0%; Pred. No. 0.1;
Matches 127; Conservative 78; Mismatches 233; Indels 267; Gaps 31;

```

QY 4 VGCALLAALLAARPA-AALAPRRCPAOFVA---RGVLTSLPGDSVTLTC---PGVPEED 54
DB 8 MGRVPLAMCLALCGMACMAPRGTOAEESPFGNPGITGARGLTGTLCQLQVQSGRPE- 66
QY 55 NATVHWV-----LRKPAAGSHPSRAGMGRLRLRSVOLHDSGNYSCY---- 97
DB 67 ---VHWLRDQQLLELADSTQTVFLGEDEDDMTIVS-QLRITSLQSLDSTGQYQCLVFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPEEPQ-----LSCFRKSPLSNVCEWGP 138
DB 123 HQFVSGQPGVGLGEPYFL-----BEDRRTVAANTPFLSCQAGPPEPVLLMLQDA 177
QY 139 TBSLTTKAVLLVRKONS PADPDQEPQYQSOESQKFC----- 176
DB 178 VPLATAPG-----HGFORSLHP--GLNKTSFSCENAHNAKGVTTSTATITVLPQ 227
QY 177 -----OLAVEGDSFYIVSMCVASVSGSKFTQTFQGCGILO--OPDPPA 220
DB 228 PRLHLVSRQPTLELVAMTPGLSGIYPLTHTCTLOAVLSD-----DMGSIQGBDPPE 280
QY 221 NITVTAVARNPRLSV-----TWQDPHSMN-----NS 246
DB 281 EPLTSGASVPRHQGLRGLSHPHTPYHIRVACTSQSGPSSWTHMLPVETREGVLPPEPNI 340
QY 247 SFYR-----LRFELRYRARSKTFTTMMVKDLOHNCVHIDAMSG 286
DB 341 SATRNGSOAFVHWQEBRAPLOGTLLGRLAYQOD---TPBVLMDI-----GL 385
QY 287 RHVVLRAOBE-----FGQGEWS-----EMSP-----EAMGTPW- 315
DB 386 KQEVTLLELQDGSVSNLTVCAAYTAAGGPPMSLPPLLEMRKVPKPSPTAFSPWYVL 445
QY 316 -----TESRSPANEVSTPMQALTTNKDDNILFR----- 346
DB 446 LGAIVAAACVLLALFLVHRKKETRYGEVFE---TYERGLVVRVRYRKSYSRTTE 501
QY 347 DSANANSLPVEFMPVPVPEGDSKVAAAPHROPLTSSRIDKQIRYITLDG----- 394
DB 502 ATLNSIGISEBELK---EKLRDVVMDVRHKVALGKTIGBGEPAVNEGQLQNDSDSLKVA 556
QY 395 ISALRKETCNKSMGCESSKBALENNLNPVKAEXKG-CFQSGFNEE-TCLVYITITGLE 452

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Db 307 ---CHODLSY--RYAAL-----DPPSSACTRPPAPVNLISSVNGTSLTEW 348
QY 135 GPRSTP---SLTTKAVLVKRFQNSPAEDFOEPCOYSQESQKSCQLAIVEDSSFYIV 190
Db 349 APPLDPOGRSDITYNAV-----CR-----RCFMA-----L 373
QY 191 SMCVASSVSGFSKFTQF-----FOGCGILOPDP-----PAN 222
Db 374 SRCEACGSGTRFVPOQSLVQASLVANLAHNMYSFWIEAVNGVSDLSPEPRRAVNI 433
QY 223 TV-----TAVARNPR---WLSVTWQDPHSWNSSFYRLRPELRYAERSKFTTM-MV 270
Db 434 TTQOAPPSQVYVVRQERAGQTSLSLMQEBQNGII--LEYEIKY-YEKDKMOSYSTL 490
QY 271 KDIQHCIVHDANSGLRHVYQLAQOEFQOGEMSSEPMAGTPTWESRSPPEANEVSTP 330
Db 491 KATTRATVYSGLRKGRYVQVRAKTSAGGRPS---QAME--VETGPRRRTYDRTI 543
QY 331 MOALTT-----NKDDNLIFRDSANATSLPEFMPV--P 362
Db 544 VVICLTITGLVVLILLIKKXHCYSKAFQDSDEKMYO--NGQAPPVFLPLHHP 600
QY 363 PGE--DSKQVAPR--RQPLTSSERIDKOIRYLIDGISALRKETCNKSNMCESSKALAE 418
Db 601 PGLPPEQFVABPHYTEEPGRAGRSFTREI-----EASR-----634
QY 419 NNINLEPKAKDCGFGSGFNEETCLVKI--ITGLIEFEVYLEYONPESSEBOARAVONS 477
Db 635 --HIIEKI-----IGSGDSGEVCYGRILRVQGRDVPVAILKALKAGY--TERORRDLSE 684
QY 478 TKVLIQFLOKAKNLDIAIT 497
Db 685 ASIMGQFDHPNITIRLGSVVT 704

```

RESULT 11

```

US-11-251-465-21
; Sequence 21, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 21
; LENGTH: 894
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-21

```

Query Match 4.4%; Score 127; DB 7; Length 894;

Best Local Similarity 18.0%; Pred. No. 0.13; Matches 132; Conservative 80; Mismatches 208; Indels 312; Gaps 35;

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QY 4 VGCALLAALIAAPG-AALAPRCPADQEA---RGVLTSPGDSVTLTG---PGVEPED 54
Db 8 MGRVPLAMCLALGMAAPRGTAQAEBSPFVGNPGNITGARGLTGLRQLQYQGBRPE- 66
QY 55 NATVHVY-----LRKPAAGSHPSRAAGMGRRLILASVOLHDSGNTSCY--- 97
Db 67 ---VHMRLRQDQIELADSTQTVPLGEDBDMDWIVS-QLRITSLQSLDSTGQYCLVFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPRPERQ-----LSCRRKSPPLSNVCEMGRPS 138

```

```

Db 123 HQTVISQPGYVIGLEGPYFL-----EEEDRYAANTPNNLSQAOQPEBPVULLQDA 177
QY 139 TPSLTTRKAVLVKRFQNSPAEDFOEPCOYSQESQKSC----- 176
Db 178 VPLATAAPG-----HGFORSLHVP--GLNKTSSPSCAHNAKGVTSRTATITVLPQ 227
QY 177 -----QLAPEGDSFYIVSMCAASSYSGSKFTQTOGCGIL--QDDPPA 220
Db 228 PNNILVSRQPTLEAVMTPTGLSIGYPLTRCTLOAVLSD-----DGMGIQGEBDPPE 280
QY 221 NITVAVANPRMLVSTWQDPHSWNSSFYRLRPELRYAERSKFTTMVKDQHCIVH 280
Db 281 E-PLTQASVP-----PH-----QLR-----LGSILHPTTPH 306
QY 281 DAWSLRHVYQLAQOEFQOGEMSEN---SPEA--MGTP-----WTESR 319
Db 307 -----IRVACTSQGPPSSWTWMLPVETEGVGLGPPENISATRNGSQAFVHQEPR 357
QY 320 SP-----PAENVSTP-----MOALTTNKDDNLIFRDSANAT----- 352
Db 358 APLOGTLLGYRLAYQGDTPVLMIDIGLROEVTLEIQDGSV---SNLTVCVAAYTAAG 413
QY 353 ---SLPVEFMPVPGEDS-----KDVAP-----H 374
Db 414 DGPWSLPVLEAMRPGQAPVHQLVKEPSTPAFSPWVYVLAGVAACVLIALFLVH 473
QY 375 ROPLTSS-----ERIDKOIRYLIDGISALR--KETCNKSNMCESSKEALAEENLNL 423
Db 474 RKKETRYGSEVFEPTVERGELVYRVKRSYSRRTTEATLNSIGISEBKELKRDVMDR 533
QY 424 PKKA-----EKDQSGFNEETCLVKIITGLIEFEVYL-----EYLQNR----- 463
Db 534 HKVALGKTIGBGFAGVMEGQLNODDSILKVAVKTKIAICTRSLEDEPLSEAVCKEED 593
QY 464 -----FESSBQA-----RAVOMSTKVLIOFL 485
Db 594 HPMVMLISGVCFGSGRSRSPAPVVLPPMKHDLHSFLYSRLSGQPVYLPQMLVKFM 653
QY 486 OKKAKNLDIAIT 497
Db 654 ADIASGMEYLIST 665

```

RESULT 12

```

US-11-251-465-65
; Sequence 65, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 65
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
US-11-251-465-65

```

Query Match

Best Local Similarity 4.2%; Score 120; DB 7; Length 440;

[illegible]

Query Match	4.2%	Score 119	DB 7	Length 4391
Best Local Similarity	26.5%	Pred. No. 4.1		
Matches	Conservative 65	Mismatches 98	Indels 60	Gaps 14
QY	3	AVGCLLAAALLAAPGALAPRRCPQGEVARGVLTSLPGDSVLTTCRGVEPEDNATYHW-V	61	
DB	3190	ALGTHKQKQEVYIVDTGAVAP-GAPQVQAEAEALTYEAGHTATLRC-SATGSPAPPTHWMSK	3247	
QY	62	LKRPAGSHPSRMWAGMRLLLSVOLHDSNGVSCYRAGRPG-----TVHLLVDVP----	114	
DB	3248	LRSPLPMQHRLE---GDTLIIIPRAVQODSGGYIC-NATSPGHAERATIIHVESPPYAT	3302	
QY	115	-----EEPQLSCFRKSPLSNVVCWEMGPSTSPSLTTKAVLLVRKFSQPAEDFQE	163	
DB	3303	TYPEHASYQAGETVQLQCL-----AHGTPLIT-----FQWSRVGS-SL	3339	
QY	164	PCQYSQESQKSCQLAYPEGDSFPITVSMC-VASVSGKFSKTFQTFQCGGIIQPPDPANI	222	
DB	3340	PGRAATARELLHFEKPAPE-DSGR--RCRYTNKYSLEAAQO-----LLVGGPGSL	3389	

QY 223 TVTAV 227
 Db 3390 PATSI 3394

RESULT 15
 US-10-511-937-2988
 ; Sequence 2988, Application US/10511937
 ; Publication No. US200608836A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
 ; APPLICANT: Wohlgemuth, Jay
 ; APPLICANT: Fry, Kirk
 ; APPLICANT: Woodward, Robert
 ; APPLICANT: Ly, Ngoc
 ; APPLICANT: Prentice, James
 ; APPLICANT: Morris, MacDonald
 ; APPLICANT: Rosenberg, Steven
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
 ; TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
 ; FILE REFERENCE: 50661200104
 ; CURRENT APPLICATION NUMBER: US/10/511,937
 ; CURRENT FILING DATE: 2004-10-19
 ; PRIOR APPLICATION NUMBER: PCT/US2003/012946
 ; PRIOR FILING DATE: 2003-04-24
 ; PRIOR APPLICATION NUMBER: US 10/131,831
 ; PRIOR FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: US 10/325,899
 ; PRIOR FILING DATE: 2002-12-20
 ; NUMBER OF SEQ ID NOS: 3117
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2988
 ; LENGTH: 836
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-511-937-2988

Query Match 4.0%; Score 113.5; DB 6; Length 836;
 Best Local Similarity 20.1%; Pred. No. 1.2;
 Matches 84; Conservative 59; Mismatches 161; Indels 113; Gaps 23;

QY 6 CALLAA---LLAAPGAALAPRCAPQAEVARGVLTSLP---GDSVTLT-----CPGVBP 52
 Db 7 CSLTMAALLIILLPGSL-----EECGHISVSAPYVHLDPTASCIIKONCSHLDP 57
 QY 53 EDNATVHWVL-RKPAAGSHPSRWAGMGRLLLSVOL-HDSGNYSC----- 96
 Db 58 EPQ--ILMRIGABIQPGRQRLSDGTQESIIITLPHLNTQAFILSCCLMNGNSLQILDQV 115
 QY 97 -YRAGRPAQVHLVDVPRPEPOLSCFRKSPPLSNVVCENGPSTPSTTKAVLLVKKPON 155
 Db 116 ELRAGYPPALPH-----NLSCIMLNTTSLICQWEPGPEPHLPSTFKSFRG 165
 QY 156 SPAEDFOEPQOYQES-----OKFSQQLAVPEGSSFYI---VSMCVASSVGSKFS 203
 Db 166 N-----CQTQDGLDLCVPRDQSHCC---IPRKHLLYQMGIVQADENALGTSMS 214
 QY 204 KTQTFQCGGILQDPDPANITV---TAVARNPRLSVTWODPSWNSSFY-RLRFLRLYR 258
 Db 215 POLCLPDMVDVKLEPMLRTMDPSPEAAPQAGCLQCMW---PMQGLHINQKCELRHK 271
 QY 259 AERSKFTTMM-----VKLOHH-CYIHDAWSGLRHVQLRADREFGQSEMSPEAM 311
 Db 272 PQRGE--ASWALVGPPLLEALQYELCGLLPATA---YTLQIRCIKRWPLPGHMSDWSPSL- 325
 QY 312 GTPWTSRSPSPANEVSTPMQALTTNKDDNIIIFRD-SANATSLPYEFMVPVPGEDS 367
 Db 326 -----ELRTTERAFTVRUD---TWMRQQLDPRIVQLFWKFPVLEEDS 365

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 29, 2006, 21:09:42 ; Search time 51 Seconds
(without alignments)
949.107 Million cell updates/sec

Title: US-09-462-416-7THEN1THEN7
Sequence: 2912
1 MNAVGCALLAALAAPGAL.....LIRSFKEFLQSSIRALRQW 553

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

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7: /EMC_Celerra_SIDS3/prodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1927.5	66.2	592	2	US-09-313-942-8
2	1927.5	66.2	592	2	US-10-282-162-8
3	1917	65.8	468	2	US-08-795-473B-5
4	1917	65.8	468	2	US-09-439-856-5
5	1917	65.8	468	2	US-09-949-016-5959
6	1917	65.8	468	7	5171840-2
7	1917	65.8	468	7	5480796-2
8	1910	65.6	360	2	US-09-313-942-15
9	1910	65.6	360	2	US-10-282-162-15
10	1852	63.6	344	7	5171840-7
11	1852	63.6	344	7	5480796-7
12	1789	61.4	1158	2	US-09-313-942-26
13	1789	61.4	1158	2	US-10-282-162-26
14	1783	61.2	1168	2	US-09-313-942-24
15	1783	61.2	1168	2	US-10-282-162-24
16	1741	59.8	323	7	5171840-6
17	1741	59.8	323	7	5480796-6
18	1683	57.8	315	2	US-09-313-942-16
19	1683	57.8	315	2	US-10-282-162-16
20	1479	50.8	388	2	US-09-949-016-9852
21	1388	47.7	386	7	5171840-5
22	1388	47.7	386	7	5480796-5
23	1153	39.6	210	2	US-09-043-785-1
24	951.5	32.7	232	2	US-09-949-016-10315
25	950	32.6	201	7	5171840-11
26	947.5	32.5	212	1	US-08-792-019B-9

27	947.5	32.5	212	2	US-08-988-819-9	Sequence 9, Appli
28	947.5	32.5	212	2	US-09-016-534-9	Sequence 9, Appli
29	947.5	32.5	212	2	US-08-097-869-7	Sequence 7, Appli
30	947.5	32.5	212	2	US-08-795-473B-6	Sequence 6, Appli
31	947.5	32.5	212	2	US-09-230-637-45	Sequence 27, Appli
32	947.5	32.5	212	2	US-09-230-371A-27	Sequence 6, Appli
33	947.5	32.5	212	2	US-09-439-856-6	Sequence 13, Appli
34	947.5	32.5	212	2	US-09-462-941-13	Sequence 145, App
35	947.5	32.5	212	7	5510472-2	Sequence 145, App
36	945	32.5	317	2	US-08-468-609A-145	Sequence 145, App
37	945	32.5	317	2	US-08-446-872A-145	Sequence 145, App
38	945	32.5	317	2	US-08-762-227A-145	Sequence 145, App
39	945	32.5	317	5	PCT-US95-01185-145	Sequence 14, Appli
40	945	32.3	212	2	US-09-487-792-14	Sequence 14, Appli
41	939.5	32.3	212	2	US-09-908-594-14	Sequence 7, Appli
42	939.5	32.2	185	1	US-08-716-317-7	Sequence 2, Appli
43	939	32.2	184	1	US-08-567-047-2	Sequence 2, Appli
44	934	32.1	184	1	US-08-567-048-2	Sequence 2, Appli
45	934	32.1	184	1	US-08-567-048-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1									
US-09-313-942-8									
Sequence 8, Application US/09313942									
Patent No. 6472179									
GENERAL INFORMATION:									
APPLICANT: REGENERON PHARMACEUTICALS, INC.									
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING									
FILE REFERENCE: REG 203-A									
CURRENT APPLICATION NUMBER: US/09/313,942									
CURRENT FILING DATE: 1999-05-19									
PRIOR APPLICATION NUMBER: 09/313,942									
PRIOR FILING DATE: 1999-05-19									
PRIOR APPLICATION NUMBER: 60/101,858									
PRIOR FILING DATE: 1998-09-25									
NUMBER OF SEQ ID NOS: 32									
SOFTWARE: FastSeq for Windows Version 3.0									
SEQ ID NO 8									
LENGTH: 592									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-313-942-8									
Query Match 66.2%; Score 1927.5; DB 2; Length 592;									
Best Local Similarity 72.8%; Pred. No. 6.9e-162;									
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;									
QY	1	MNAVGCALLAALAAPGALAPRC	PAOEVARGVLTSPGDSVLTTC	PGVEPEDNATVHW	60				
DB	1	MNAVGCALLAALAAPGALAPRC	CPAOEVARGVLTSPGDSVLTTC	PGVEPEDNATVHW	60				
QY	61	VLKPPAGSHPSRWAGNGRRLLRS	VLHDSGNSCYRAGRPACTVHL	LVDPPEPQLS	120				
DB	61	VLKPPAGSHPSRWAGNGRRLLRS	VLHDSGNSCYRAGRPACTVHL	LVDPPEPQLS	120				
QY	121	CFKRSPLSNVVCCEGPRSTBSLT	TKAVLVKRPNSPAEDQOECCOY	SOESQKSCOLAV	180				
DB	121	CFKRSPLSNVVCCEGPRSTBSLT	TKAVLVKRPNSPAEDQOECCOY	SOESQKSCOLAV	180				
QY	181	PEGDSFYIVSMCAVSVGSKFSKT	QTFQCGGIIQDPDPANITVTA	VARNRWLSVTWQD	240				
DB	181	PEGDSFYIVSMCAVSVGSKFSKT	QTFQCGGIIQDPDPANITVTA	VARNRWLSVTWQD	240				
QY	241	PHSNNSFFYRLRFELRYARBSKT	FTTWVVDLOHNCVHDAMSGLRH	VVQLRAQEEFGQ	300				
DB	241	PHSNNSFFYRLRFELRYARBSKT	FTTWVVDLOHNCVHDAMSGLRH	VVQLRAQEEFGQ	300				
QY	301	GENSEMSPEAMGFTWETSRSP	PAENEVSTPMQALTTKDDNLI	FRSANAATSLPVERG-	359				

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Db 301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVOQAD 360
Qy 360 -----AGLVGQ-----FMPVPEGSDSKVAAHPROL-----TSSER 393
Db 361 EPKSCDKHTHCPCPAPBELIGPSVFLFPKP-----KDTLMSRTPEVTVVVDVSHED 415
Qy 394 IDKQIYIIDGI-----SALRKETCNKSNMCSSKEALAEENLN-----LPK 435
Db 416 PEVKFMWYDGVAVHNAKTKPREBQYNSTRVVSULTVTHQDLNKGKCYKSNALPRA 475
Qy 436 MAEKDCGFSQGFNEE-----TCLYKIITGLLEFVYLEYLON 472
Db 476 PIEKTISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVK---GFPYSDIAVMEASN 529

RESULT 2
US-10-282-162-8
; Sequence 8, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FaetsEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8

Query Match 66.2%; Score 1927.5; DB 2; Length 592;
Best Local Similarity 72.8%; Pred. No. 6,9e-162;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

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Db 1 MAVAGCALLAALAAAGALAPRCPAQVAVAGVLTSLPDSVTTLTCTPGVEPDNATVHM 60
Qy 61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAQVHLLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAQVHLLVDVPEEPOLS 120
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Db 121 CPEKSPLSNVVCEWGRSTPSLTITTKAVLVKRFQNSPAEDFOPCQYQSOSQKFSQCLAV 180
Qy 181 PEGDSSFYIYSKCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Db 181 PEGDSSFYIYSKCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Qy 241 PHSWNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Db 241 PHSWNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Qy 301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFG- 359
Db 301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFG 359
Qy 360 -----AGLVGQ-----FMPVPEGSDSKVAAHPROL-----TSSER 393
Db 361 EPKSCDKHTHCPCPAPBELIGPSVFLFPKP-----KDTLMSRTPEVTVVVDVSHED 415
Qy 394 IDKQIYIIDGI-----SALRKETCNKSNMCSSKEALAEENLN-----LPK 435
Db 416 PEVKFMWYDGVAVHNAKTKPREBQYNSTRVVSULTVTHQDLNKGKCYKSNALPRA 475
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Qy 436 MAEKDCGFSQGFNEE-----TCLYKIITGLLEFVYLEYLON 472
Db 476 PIEKTISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVK---GFPYSDIAVMEASN 529

RESULT 3
US-08-795-473B-5
; Sequence 5, Application US/08795473B
; Patent No. 6217858
; GENERAL INFORMATION:
; APPLICANT: Galun, Elchan
; APPLICANT: Nahot, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,473B
; FILING DATE: 11-FEB-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963,1007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
US-08-795-473B-5

Query Match 65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4.1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

Qy 1 MLAVGALLAALAAAGALAPRCPAQVAVAGVLTSLPDSVTTLTCTPGVEPDNATVHM 60
Db 1 MLAVGALLAALAAAGALAPRCPAQVAVAGVLTSLPDSVTTLTCTPGVEPDNATVHM 60
Qy 61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAQVHLLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGMGRLLRSVQLHDSGNYSCYRAGRPAQVHLLVDVPEEPOLS 120
Qy 181 PEGDSSFYIYSKCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Db 181 PEGDSSFYIYSKCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Qy 241 PHSWNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Db 241 PHSWNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Qy 301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFGA 360
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Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDSS 360
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Db 361 SVPLPTFLVAGG 372

RESULT 4
US-09-439-856-5
; Sequence 5, Application US/09439856
; Patent No. 641009
; GENERAL INFORMATION:
; APPLICANT: Galun, Eithan
; APPLICANT: Nahoc, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A Pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/439,856
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/795,473
; FILING DATE: 11-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963,1007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; US-09-439-856-5

Query Match 65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

QY 1 MNAVGCALLAALLAFAAALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAFAAALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPISNVVCEWGPSTPSLTITKAVILVRKFNONSAPEDFOEPCQYSQESQKSCQAV 180
Db 121 CFRKSPISNVVCEWGPSTPSLTITKAVILVRKFNONSAPEDFOEPCQYSQESQKSCQAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVVDLOHCVIHAMSGLRHVQLRAOEERGO 300
Db 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVVDLOHCVIHAMSGLRHVQLRAOEERGO 300

Db 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVVDLOHCVIHAMSGLRHVQLRAOEERGO 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
QY 361 G-----LVIGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 5
US-09-949-016-5959
; Sequence 5959, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5959
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-5959

Query Match 65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

QY 1 MNAVGCALLAALLAFAAALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAFAAALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPISNVVCEWGPSTPSLTITKAVILVRKFNONSAPEDFOEPCQYSQESQKSCQAV 180
Db 121 CFRKSPISNVVCEWGPSTPSLTITKAVILVRKFNONSAPEDFOEPCQYSQESQKSCQAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVVDLOHCVIHAMSGLRHVQLRAOEERGO 300
Db 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVVDLOHCVIHAMSGLRHVQLRAOEERGO 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
QY 361 G-----LVIGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 6
5171840-2
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU

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: TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
: STIMULATORY FACTOR-2
:
: NUMBER OF SEQUENCES: 11
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/298,694
: FILING DATE: 19-JAN-1989
: SEQ ID NO:2
: LENGTH: 468
: 5171840-2
:
Query Match      65.8%; Score 1917; DB 7; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1
:
QY      1 MNAVGCALLAALLAAPGAAALPRRCPAQEVARGVLTSLPGDSVYLTTCGVEPEDNATVYM 60
DB      1 MNAVGCALLAALLAAPGAAALPRRCPAQEVARGVLTSLPGDSVYLTTCGVEPEDNATVYM 60
:
QY      61 VLKRPAAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCTYRAGPAGTVHLLVDVPPREPOLS 120
DB      61 VLKRPAAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCTYRAGPAGTVHLLVDVPPREPOLS 120
:
QY      121 CFRKSPLSNVVCEMGPRSTPSLTITKAVLLVKKFQNSPADDFQEPCCOYSQSFSCQLAV 180
DB      121 CFRKSPLSNVVCEMGPRSTPSLTITKAVLLVKKFQNSPADDFQEPCCOYSQSFSCQLAV 180
:
QY      181 PEGDSSFTYVCMCAASSVGSFKSKTQTTQCGGIIQDPDPANITTVAVANPRLSVTWD 240
DB      181 PEGDSSFTYVCMCAASSVGSFKSKTQTTQCGGIIQDPDPANITTVAVANPRLSVTWD 240
:
QY      241 PHSNNSPYRLRFELRYAERSKFTTMMVVDLOHHCYIHDMSGLRHVYQLRAGEFRQ 300
DB      241 PHSNNSPYRLRFELRYAERSKFTTMMVVDLOHHCYIHDMSGLRHVYQLRAGEFRQ 300
:
QY      301 GEMSEWSPDEAMGTPTWTSRSPPAENEVSTPMQALTTNNDDNNILFRDSANATSLVEFQA 360
DB      301 GEMSEWSPDEAMGTPTWTSRSPPAENEVSTPMQALTTNNDDNNILFRDSANATSLVEFQA 360
:
QY      361 G-----LVLGQ 366
DB      361 SVPLPTFLVAGG 372
:
RESULT 7
5480796-2
Patent No. 5480796
APPLICANT: KISHIMOTO, TADAMITSU
TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
FOR HUMAN B CELL STIMULATORY FACTOR-2
NUMBER OF SEQUENCES: 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/907,650
FILING DATE: 02-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 298,694
FILING DATE: 19-JAN-1989
SEQ ID NO:2
LENGTH: 468
5480796-2
:
Query Match      65.8%; Score 1917; DB 7; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1
:
QY      1 MNAVGCALLAALLAAPGAAALPRRCPAQEVARGVLTSLPGDSVYLTTCGVEPEDNATVYM 60
DB      1 MNAVGCALLAALLAAPGAAALPRRCPAQEVARGVLTSLPGDSVYLTTCGVEPEDNATVYM 60
:
QY      61 VLKRPAAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCTYRAGPAGTVHLLVDVPPREPOLS 120
DB      61 VLKRPAAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCTYRAGPAGTVHLLVDVPPREPOLS 120
:
QY      121 CFRKSPLSNVVCEMGPRSTPSLTITKAVLLVKKFQNSPADDFQEPCCOYSQSFSCQLAV 180
DB      121 CFRKSPLSNVVCEMGPRSTPSLTITKAVLLVKKFQNSPADDFQEPCCOYSQSFSCQLAV 180

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Db      121  CFRKSPSLNVCEMGPRSTPELTTKAVILVVRKFGNSPAEDFQEPQVQSQSGKFCQLAV 180
Qy      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGIILQDPDPANITTVTAVANRPMILSVTMOD 240
Db      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGIILQDPDPANITTVTAVANRPMILSVTMOD 240
Qy      241  PHSNNSFYRLRFLRLRAERSKFTFTTMVMDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Db      241  PHSNNSFYRLRFLRLRAERSKFTFTTMVMDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Qy      301  GEMSEWSPBAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db      301  GEMSEWSPBAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDQSS 360
Qy      361  G-----LVIGG 366
Db      361  SVPLPFLVAGG 372

RESULT 8
US-09-313-942-15
; Sequence 15, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

Query Match      65.6%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 1,1e-160;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MLAVGALLAALLAAPGAALAPRCQPAQEVARGVLTSLPGDSVTLTCGPVEPEDNATVHM 60
Db      1  MVAAGCALAALLALPQALAPRCQPAQEVARGVLTSLPGDSVTLTCGPVEPEDNATVHM 60
Qy      61  VLRRPAAGSHPSRWAGMGRLLILRSVOLHDSGNTSCYBAGRPACTVHLLDVVPREPOLS 120
Db      61  VLRRPAAGSHPSRWAGMGRLLILRSVOLHDSGNTSCYBAGRPACTVHLLDVVPREPOLS 120
Qy      121  CFRKSPSLNVCEMGPRSTPELTTKAVILVVRKFGNSPAEDFQEPQVQSQSGKFCQLAV 180
Db      121  CFRKSPSLNVCEMGPRSTPELTTKAVILVVRKFGNSPAEDFQEPQVQSQSGKFCQLAV 180
Qy      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGIILQDPDPANITTVTAVANRPMILSVTMOD 240
Db      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGIILQDPDPANITTVTAVANRPMILSVTMOD 240
Qy      241  PHSNNSFYRLRFLRLRAERSKFTFTTMVMDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Db      241  PHSNNSFYRLRFLRLRAERSKFTFTTMVMDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Qy      301  GEMSEWSPBAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVE 357
Db      301  GEMSEWSPBAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVO 357

RESULT 9

```

```
US-10-282-162-15
; Sequence 15, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15
```

Query Match 65.6%; Score 1910; DB 2; Length 360;

Best Local Similarity 99.4%; Pred. No. 1.1e-160; Indels 0; Gaps 0;

Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
Db 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVE 357
Db 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVEQ 357
```

```
RESULT 10
5171840-7
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7
; LENGTH: 344
5171840-7
```

Query Match 63.6%; Score 1852; DB 7; Length 344;

Best Local Similarity 100.0%; Pred. No. 1.4e-155; Indels 0; Gaps 0;

Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
```

```
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
Db 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVE 357
Db 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVEQ 357
```

RESULT 11

5480796-7

Patent No. 5480796

APPLICANT: KISHIMOTO, TADAMITSU

TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN

FOR HUMAN B CELL STIMULATORY FACTOR-2

NUMBER OF SEQUENCES: 8

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/907,650

FILING DATE: 02-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 298,694

FILING DATE: 19-JAN-1989

SEQ ID NO: 7

LENGTH: 344

```
QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
Db 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVE 357
Db 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVEQ 357
```

Query Match 63.6%; Score 1852; DB 7; Length 344;

Best Local Similarity 100.0%; Pred. No. 1.4e-155; Indels 0; Gaps 0;

Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFNQSPADEPQOEPCQYQSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
Db 241 PHSNSSFYRLRFEFLRRAERSKFTFTMWVMDLOHHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVE 357
Db 301 GEWSEWSPAMGTPWTESRSPPAENEVSTPMQALTNNKDDNILLFRDSANATSLPVEQ 357
```

RESULT 12

US-09-313-942-26

Sequence 26, Application US/09313942

Patent No. 6472179

GENERAL INFORMATION:

APPLICANT: REGENERON PHARMACEUTICALS, INC.

```

: TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
:
: TITLE OF INVENTION: AND USING
:
: FILE REFERENCE: REG 203-A
:
: CURRENT APPLICATION NUMBER: US/09/313,942
:
: CURRENT FILING DATE: 1999-05-19
:
: PRIOR APPLICATION NUMBER: 09/313,942
:
: PRIOR FILING DATE: 1999-05-19
:
: PRIOR APPLICATION NUMBER: 60/101,858
:
: PRIOR FILING DATE: 1998-09-25
:
: NUMBER OF SEQ ID NOS: 32
:
: SOFTWARE: FastSeq for Windows Version 3.0
:
: SEQ ID NO 26
:
: LENGTH: 1158
:
: TYPE: PR1
:
: ORGANISM: Homo sapiens
:
US-09-313-942-26

```

Query Match	61.4%;	Score 1789;	DB 2;	Length 1158;
Best Local Similarity	58.7%;	Pred. No. 3.7e-149;		
Matches 379;	Conservative 35;	Mismatches 88;	Indels 144;	Gaps 13

QY	1	MLAVGALLAALLAARGAALLPRCPAEPVARGVLTSLRGSVTLTCGVBEDNATYHM	60
Db	1	MVAVGALLAALLAARGAALLPRCPAEPVARGVLTSLRGSVTLTCGVBEDNATYHM	60
QY	61	VLKRPAGSHPSRMAGMRRLILRSVQJHDSGNTSCYAGRPAGTVHLLVDPPEEPOL	120
Db	61	VLKRPAGSHPSRMAGMRRLILRSVQJHDSGNTSCYAGRPAGTVHLLVDPPEEPOL	120
QY	121	CFRSPSLSNVCEWGPBSTPSLTTAAVLLYKFFONSAPEDPOEPQYQESQKFCOLAY	180
Db	121	CFRSPSLSNVCEWGPBSTPSLTTAAVLLYKFFONSAPEDPOEPQYQESQKFCOLAY	180
QY	181	PEGDSFYIVMCAVSSVGSKFSKTQFGCGCIILOPDPANITVAVARNPMLSVTMO	240
Db	181	PEGDSFYIVMCAVSSVGSKFSKTQFGCGCIILOPDPANITVAVARNPMLSVTMO	240
QY	241	PHSNNSSTYRLRFBELRYAERSKTTTMMVYOLQHHCVIHDMSGLRHVOLRAOEFQ	300
Db	241	PHSNNSSTYRLRFBELRYAERSKTTTMMVYOLQHHCVIHDMSGLRHVOLRAOEFQ	300
QY	301	GEWSEMSFEAGTPTTESRSPRAEKEVSTPMOAL	334
Db	301	GEWSEMSFEAGTPTTESRSPRAEKEVSTPMOAL	334
QY	335	-----TINKDDNILLFRDSANAT-----SLPYEFGAGVLAGQF	368
Db	361	EKCMQDYFHVANANYIVMKTNHFITPRQYQYTIINRTASSVTFPDJASLNTQLTGNILTPQGL	420
QY	369	MPVPEGBEBSKVAAHPRQPLTSSERIDQIKYILIDGIALRKE-----TC-----NKSMMC	419
Db	421	-----BONYGIIITISGLPEPEKPNLSICVNEBKMRJC	453
QY	420	E--SSKEALANNINLPRK-----MAEKD--GC-----FQSGFNEETCL	453
Db	454	EMDQGRFHELTNFTLKSEWATHKRAQCKAKRDTLSTCVDSYTVYFNVNIETWAEANAL	513
QY	454	VKIITGLIEFVLEYLON-----RFESSEQARAQVMS-----TKVLIQLOK	497
Db	514	GKVTSDHINFPVYKVKENPRHNLISVINSEELSIKLTWTPISIKSYIILEKYNIOYRTK	573
QY	498	KAKXULDAITTPDTTNAJLTKLQANQOMLODMTHILRSKTEL	543
Db	574	DASTWSQILPREDTASTRSSFT-----VQD-----LKPEPTEV	605

RESULT 13
US-10-282-162-26
; Sequence 26, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING

```

; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 1158
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-282-162-26

```

Query Match	61.4%;	Score 1789;	DB 2;	Length 1158;
Best Local Similarity	-58.7%;	Pred. No. 3.7e-149;		
Matches 379;	Conservative 35;	Mismatches 88;	Indels 144;	Gaps 13;

QY	1	MLAVGALLAALLAAPGAALAPRCPOAEVARGVLTSIPGVSVTLTCGVEPEDNATYHM	60
Db	1	MVAAGCALLAALLAAPGALAPRCPOAEVARGVLTSIPGVSVTLTCGVEPEDNATYHM	60
QY	61	VLKRPAGSHPSRMAGMRLLLSVOLHDSGNSCYRAGRPACTVHLVAVPEPEPLS	120
Db	61	VLKRPAGSHPSRMAGMRLLLSVOLHDSGNSCYRAGRPACTVHLVAVPEPEPLS	120
QY	121	CFRKSPLSNVYCEMGPRSTPSLTTKAVILYKFNQNSPADBEQEPQYSQESQKFSQCLAV	180
Db	121	CFRKSPLSNVYCEMGPRSTPSLTTKAVILYKFNQNSPADBEQEPQYSQESQKFSQCLAV	180
QY	181	PEGDSFFIYVMCASSVSGSKFSKTQTFQCGIILQDPPEANIITYAVARNRMLSVTQD	240
Db	181	PEGDSFFIYVMCASSVSGSKFSKTQTFQCGIILQDPPEANIITYAVARNRMLSVTQD	240
QY	241	PHSNWSSFYRLPELRYRAERSKTFPTTWKVDLOHHCVIHDMSGRLRHVOLAQEBFQO	300
Db	241	PHSNWSSFYRLPELRYRAERSKTFPTTWKVDLOHHCVIHDMSGRLRHVOLAQEBFQO	300
QY	301	GESEMSPEAMGTEWTSRSPPAENEVSTPMQAL-----	334
Db	301	GESEMSPEAMGTEWTSRSPPAENEVSTPMELLDPCYISPESPEVOLHSGNFAVCYUK	360
QY	335	-----TTNKDDNLIIFRDSANAT-----SLPYEFGAGLVLGQF	368
Db	361	EKCMQDYFVNAVNYIVWKTNHPTIKRQYTLINRTASSVTFFDIASLNIQLCNILTFQQL	420
QY	369	MPVPEPGEBSKDVAAHPHOPLTSSERIDKQIRYIIDGJSALAKE-----TC-----NKSMMC	419
Db	421	-----EQNYGITTIIISGLRPEPKRMLSCVINECKNRC	453
QY	420	E--SSKEALENNINLPK-----MAEKD--GC-----FQSGFNEETCL	453
Db	454	EMDQGRHEHLETNITLKSMAITHKFPADCKAKRDIPTSTCVYSTYFPVNIIEVMYAEALAL	513
QY	454	VKIITGLLEFEVLEYLON-----RFSSEEQARAVOMS-----TKVLIQFLQK	497
Db	514	GKATSDHINFPYKVKVKNPPHNLISVINSELSILKLTWNPISKSVIILKYNIOYRTK	573
QY	498	KAKULDAITTPDTTNASLITKLOAQONQLODMTHLILBSFKFEL	543
Db	574	DASTWSQILPPEDTASTSSFT-----VQD-----LKFTEV	605

RESULT 14
US-09-313-942-24
; Sequence 24, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING

```

; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-24

```

```

Query Match      61.2%; Score 1783; DB 2; Length 1168;
Best Local Similarity 99.7%; Pred. No. 1.3e-148;
Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MAVGCGALLAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTTCGVEPEDNATVHW 60
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 1 MAVGCGALLAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTTCGVEPEDNATVHW 60

QY 61 VLKPPAAGSHPSRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 61 VLKPPAAGSHPSRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120

QY 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYQSOESQKFSQOLAV 180
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYQSOESQKFSQOLAV 180

QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGILQDPDPANITVTAVARNRMLSVTMD 240
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGILQDPDPANITVTAVARNRMLSVTMD 240

QY 241 PHSWNSFFYRLRPELRARARSKFTTWMVKDLOHNCVIHDAMGSLRHVVQLRAQEEFGQ 300
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 241 PHSWNSFFYRLRPELRARARSKFTTWMVKDLOHNCVIHDAMGSLRHVVQLRAQEEFGQ 300

QY 301 GEWSEWSPAMGTPWTESRSPPAENEYSTPM 331
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 301 GEWSEWSPAMGTPWTESRSPPAENEYSTPM 331

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```

RESULT 15
US-10-282-162-24
; Sequence 24, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24

```

```

Query Match      61.2%; Score 1783; DB 2; Length 1168;
Best Local Similarity 99.7%; Pred. No. 1.3e-148;
Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MAVGCGALLAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTTCGVEPEDNATVHW 60
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

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```

Db 1 MAVGCGALLAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTTCGVEPEDNATVHW 60

QY 61 VLKPPAAGSHPSRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 61 VLKPPAAGSHPSRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120

QY 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYQSOESQKFSQOLAV 180
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCQYQSOESQKFSQOLAV 180

QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGILQDPDPANITVTAVARNRMLSVTMD 240
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGGILQDPDPANITVTAVARNRMLSVTMD 240

QY 241 PHSWNSFFYRLRPELRARARSKFTTWMVKDLOHNCVIHDAMGSLRHVVQLRAQEEFGQ 300
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 241 PHSWNSFFYRLRPELRARARSKFTTWMVKDLOHNCVIHDAMGSLRHVVQLRAQEEFGQ 300

QY 301 GEWSEWSPAMGTPWTESRSPPAENEYSTPM 331
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 301 GEWSEWSPAMGTPWTESRSPPAENEYSTPM 331

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Search completed: June 29, 2006, 21:10:46
Job time : 53 secs

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QY 358 -----TGAGLVIGGQFMVPVPGEDSKVAAPHROPLTSSERIDKQIRYIILDGISALRKET 412
Db 361 GSGCGGGGGGGGSLPEVPVPGEDSKVAAPHROPLTSSERIDKQIRYIILDGISA-RKET 419
QY 413 CNKSNMCESSKEALAENNLI,PKMAEKDGCFOGPFNEETCLVKIITGLLEFEVYLEYON 472
Db 420 CNKSNMCESSKEALAENNLI,PKMAEKDGCFOGPFNEETCLVKIITGLLEFEVYLEYON 479
QY 473 RPFSSBBOARAVOMSTKVLIOFLQKAKNIDAITTPDPTTNASILLTKLOQONOLQDMTT 532
Db 480 RPFSSBBOARAVOMSTKVLIOFLQKAKNIDAITTPDPTTNASILLTKLOQONOLQDMTT 538
QY 533 HILIRSFKEFLQSSIRALROM 553
Db 539 HILIRSFKEFLQSSIRALROM 559

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RESULT 2

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US-09-313-942-8
; Sequence 8, Application US/09313942
; Publication No. US2002012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-313-942-8

```

```

Query Match 66.2%; Score 1927.5; DB 3; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

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QY 1 MVAVGCALLAALAAAPGALAPRCRPAQEVARGVLTSLPDSVTTLTCPGVPEPDNATVHW 60
Db 1 MVAVGCALLAALAAAPGALAPRCRPAQEVARGVLTSLPDSVTTLTCPGVPEPDNATVHW 60
QY 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQTVLTVDPPEEPQLS 120
Db 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQTVLTVDPPEEPQLS 120
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
QY 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
Db 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
QY 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
Db 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
QY 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
Db 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
QY 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
Db 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEFG- 359
Db 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEFG- 360
QY 360 -----AGLVIGGQ-----FMVPPGEEDSKVAAAPRQPL-----TSSER 393
Db 361 EPKSCDKHTCCPCPAPBELIGGSEVFLPPKP-----KDTLMTSRTEVTVCVVVDVSHED 415

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QY 394 IDKQIRYIILDG-----SALRKETCNKSNMCESSKEALAENNLI-----LPK 435
Db 416 PEVKFNMYVDGVAVHNAKTPREEQYNSTYRVSVLTVLVHQDLNGKEYCKYSNQLPA 475
QY 436 MAEKDCFOGSEFNE-----TCLVKIITGLLEFEVYLEYON 472
Db 476 PIKTIKSKAKGQREPOVYTLTPSRDELTKNQVSLTCLVX---GFYPSDIAYEWESN 529

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RESULT 3

```

US-09-935-868-8
; Sequence 8, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-935-868-8

```

```

Query Match 66.2%; Score 1927.5; DB 3; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

```

```

QY 1 MVAVGCALLAALAAAPGALAPRCRPAQEVARGVLTSLPDSVTTLTCPGVPEPDNATVHW 60
Db 1 MVAVGCALLAALAAAPGALAPRCRPAQEVARGVLTSLPDSVTTLTCPGVPEPDNATVHW 60
QY 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQTVLTVDPPEEPQLS 120
Db 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQTVLTVDPPEEPQLS 120
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSGSOKFSQCLAV 180
QY 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
Db 181 PEGDSSFYIYSKCVASSVSGSKFSTQTFQCGILOPPPANITVTAVARNPRLSVTWOD 240
QY 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
Db 241 PHSNNSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIDHANSGLRHVVQLRAOEFGQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEFG- 359
Db 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEFG- 360
QY 360 -----AGLVIGGQ-----FMVPPGEEDSKVAAAPRQPL-----TSSER 393
Db 361 EPKSCDKHTCCPCPAPBELIGGSEVFLPPKP-----KDTLMTSRTEVTVCVVVDVSHED 415
QY 394 IDKQIRYIILDG-----SALRKETCNKSNMCESSKEALAENNLI-----LPK 435
Db 416 PEVKFNMYVDGVAVHNAKTPREEQYNSTYRVSVLTVLVHQDLNGKEYCKYSNQLPA 475
QY 436 MAEKDCFOGSEFNE-----TCLVKIITGLLEFEVYLEYON 472
Db 476 PIKTIKSKAKGQREPOVYTLTPSRDELTKNQVSLTCLVX---GFYPSDIAYEWESN 529

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RESULT 4
US-10-287-035-8
; Sequence 8, Application US/10287035

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```

; Publication No. US20030104567A1
; GENERAL INFORMATION:
; APPLICANT: Neil Stahl and George D. Yancopoulos
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203DA
; CURRENT APPLICATION NUMBER: US/10/287,035
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: USSN 09/935,868
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: USSN 09/787,835
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: USSN 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-035-8

Query Match      66.2%; Score 1927.5; DB 4; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY      1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB      1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY      61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGPACTVHLVDVPEEPOL 120
DB      61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGPACTVHLVDVPEEPOL 120
QY      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
DB      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
QY      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
DB      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
QY      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
DB      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
QY      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
DB      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
QY      241 PHSNNSFYRLRPELRYRARSKTFTTMVYKDLOHCVIHDAMGSLRHVVQLRAOEFGQ 300
DB      241 PHSNNSFYRLRPELRYRARSKTFTTMVYKDLOHCVIHDAMGSLRHVVQLRAOEFGQ 300
QY      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 359
DB      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 359
QY      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 360
DB      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 360
QY      360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
DB      361 EPKSCDKTHTCPCPAPABELLGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
QY      394 IDKQIRYILDGI-----SALKRETCKNSKMSCKSKALAEENNIN-----LPK 435
DB      416 PEVKFMNYVGVGEVHNAKTKPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP 475
QY      436 MAEKDGFQSGFNEE-----TCLVKTIITLLEFEVLEYLQ 472
DB      476 PIEKTSKAGQPREPOVYTLTPSRDELTKNQVSLTCLVK---GFYSDIAVEMESN 529

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; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8

Query Match      66.2%; Score 1927.5; DB 4; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY      1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB      1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY      61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGPACTVHLVDVPEEPOL 120
DB      61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGPACTVHLVDVPEEPOL 120
QY      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
DB      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
QY      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
DB      121 CFPKSPILSNVNCCEWGPSTSLTTKAVILVRKFONSPAEDEFOECQYOSQSKSCOLAV 180
QY      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
DB      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
QY      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
DB      181 PEGDSFYIVSMCAVSSVSGSKFSKTQFOCGILQPPPANITVTAAVRNRLSVTWOD 240
QY      241 PHSNNSFYRLRPELRYRARSKTFTTMVYKDLOHCVIHDAMGSLRHVVQLRAOEFGQ 300
DB      241 PHSNNSFYRLRPELRYRARSKTFTTMVYKDLOHCVIHDAMGSLRHVVQLRAOEFGQ 300
QY      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 359
DB      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 359
QY      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 360
DB      301 GEMSEMPAMGTPWTSRSPPAENEVSTPMQALTNNKDDNLIIFRSANATSLPVDAG 360
QY      360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
DB      361 EPKSCDKTHTCPCPAPABELLGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
QY      394 IDKQIRYILDGI-----SALKRETCKNSKMSCKSKALAEENNIN-----LPK 435
DB      416 PEVKFMNYVGVGEVHNAKTKPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP 475
QY      436 MAEKDGFQSGFNEE-----TCLVKTIITLLEFEVLEYLQ 472
DB      476 PIEKTSKAGQPREPOVYTLTPSRDELTKNQVSLTCLVK---GFYSDIAVEMESN 529

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RESULT 5
US-10-282-162-8
; Sequence 8, Application US/10282162
; Publication No. US200301043697A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

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RESULT 6
US-11-134-114-8
; Sequence 8, Application US/11134114
; Publication No. US2005022033A1
; GENERAL INFORMATION:
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
; FILE REFERENCE: 203C1
; CURRENT APPLICATION NUMBER: US/11/134,114
; CURRENT FILING DATE: 2005-05-20
; PRIOR APPLICATION NUMBER: 10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 2001-03-22

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; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FaastSeq for Windows Version 3.0
; SEQ ID NO: 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-134-114-8

```

```

Query Match      66.2%; Score 1927.5; DB 6; Length 592;
Best Local Similarity 72.8%; Pred. No. 1,6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

```

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QY 1 MLAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
   1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
Db 1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
   61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
Db 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
QY 121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
   121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
Db 121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
   181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
Db 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
QY 241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
   241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
Db 241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
QY 301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
   301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
Db 301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
QY 360 -----AGLVLGQ-----FMPVPEGDSKDVAAHROP-----TSSER 393
   360 -----AGLVLGQ-----FMPVPEGDSKDVAAHROP-----TSSER 393
Db 361 EPKSCDKHTCCPCAPBELLGSPVFLFPKP-----KOTLMISKREPVTCVVVDVSHED 415
   361 EPKSCDKHTCCPCAPBELLGSPVFLFPKP-----KOTLMISKREPVTCVVVDVSHED 415
QY 394 IKDQIYIILDT-----SALKRETCNKSNCSSKEALAEENLN-----LPR 435
   394 IKDQIYIILDT-----SALKRETCNKSNCSSKEALAEENLN-----LPR 435
Db 416 PEVKFMYVDGVGVHNAKTKPREQYNSITRVVSVLTVLHQDWLNGEKYCKVSNKALPA 475
   416 PEVKFMYVDGVGVHNAKTKPREQYNSITRVVSVLTVLHQDWLNGEKYCKVSNKALPA 475
QY 436 MEKDCQFQSGFME-----TCIVYIITGLLEFVYILEYLN 472
   436 MEKDCQFQSGFME-----TCIVYIITGLLEFVYILEYLN 472
Db 476 PIEKTIKAKAQPREPOVYVTLTPSRDELTKNOVSLTCLVK--GYPSDIAVEMESN 529
   476 PIEKTIKAKAQPREPOVYVTLTPSRDELTKNOVSLTCLVK--GYPSDIAVEMESN 529

```

```

RESULT 7
US-10-247-463-12
; Sequence 12, Application US/10247463
; Publication No. US20030082734A1
; GENERAL INFORMATION:
; APPLICANT: Dowling, Lynette M.
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Kastelein, Robert A.
; APPLICANT: Bazan, J. Fernando
; TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
; FILE REFERENCE: DX09920
; CURRENT APPLICATION NUMBER: US/10/247,463
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US/09/588,113
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 13

```

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
; US-10-247-463-12

```

```

Query Match      65.8%; Score 1917; DB 4; Length 468;
Best Local Similarity 96.8%; Pred. No. 7,8e-143;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

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QY 1 MLAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
   1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
Db 1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
   61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
Db 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
QY 121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
   121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
Db 121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
   181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
Db 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTAVARPRMLSTYWD 240
QY 241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
   241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
Db 241 PHSWSSFYRLRFLRYAERSKTFTTMYKDLQHHCVIHDAWSGLRHVVQLAQBEPQ 300
QY 301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
   301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
Db 301 GEWSESPAMGTPWTESSRSPAEENVSTPMQALTTNKDDNLTFRDSANAISLTVQDSS 360
QY 361 G-----LVLGQ 366
   361 G-----LVLGQ 366
Db 361 SVPLPTFLVAGG 372
   361 SVPLPTFLVAGG 372

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RESULT 8
US-10-756-149-5377
; Sequence 5377, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Nacasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5377
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-756-149-5377

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Query Match      65.8%; Score 1917; DB 5; Length 468;
Best Local Similarity 96.8%; Pred. No. 7,8e-143;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

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QY 1 MLAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
   1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
Db 1 MAAVGALLAALAAAGALAPRRCPAEOVARGVLTSLPGDSVTLTLCPGVEPBDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
   61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
Db 61 VLKPPAAGSHPSRWAGMGRRLILRSVQLHDSGNVSCYRAGRPAQTVHLVDVPEEPQLS 120
QY 121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180
   121 CPRKSLSNVVCWGRSTPSTLTAKAVLVKRFQNSPAEDFOBPCCYQSOSQKFSQCLAV 180

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Db 121 CFRKSPISNVVCEWGPSTPSLTITKAVLVRKFNQSPADEQOEPCQYQSEQKFSQCOLAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
QY 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
Db 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQDSS 360
Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQDSS 360
QY 361 G-----LVYGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 9

US-11-016-106-12
; Sequence 12, Application US/11016106
; Publication No. US20050106673A1
; GENERAL INFORMATION:
; APPLICANT: Dowling, Lynette M.
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Kastelein, Robert A.
; APPLICANT: Bazan, J. Fernando
; TITLE OF INVENTION: Mammalian Receptor Proteins, Related Reagents and
; FILE REFERENCE: DX09920
; CURRENT APPLICATION NUMBER: US/11/016,106
; PRIOR FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/588,113
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
US-11-016-106-12

Query Match 65.8%; Score 1917; DB 6; Length 468;
Best Local Similarity 96.8%; Pred. No. 7.8e-143;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

QY 1 MNAVGCALLAALLAALPAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Db 61 VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
QY 121 CFRKSPISNVVCEWGPSTPSLTITKAVLVRKFNQSPADEQOEPCQYQSEQKFSQCOLAV 180
Db 121 CFRKSPISNVVCEWGPSTPSLTITKAVLVRKFNQSPADEQOEPCQYQSEQKFSQCOLAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
QY 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
Db 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQDSS 360
Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQDSS 360

QY 361 G-----LVYGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 10

US-09-313-942-15
; Sequence 15, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

Query Match 65.6%; Score 1910; DB 3; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MNAVGCALLAALLAALPAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALLAALPAAGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Db 61 VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
QY 121 CFRKSPISNVVCEWGPSTPSLTITKAVLVRKFNQSPADEQOEPCQYQSEQKFSQCOLAV 180
Db 121 CFRKSPISNVVCEWGPSTPSLTITKAVLVRKFNQSPADEQOEPCQYQSEQKFSQCOLAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPPANITTAARNRMTLSVTWOD 240
QY 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
Db 241 PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLQHCYIHDWAGLRRHVQVLRQOEFGQ 300
QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQ 357
Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVQ 357

RESULT 11

US-09-935-868-15
; Sequence 15, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 15
; LENGTH: 360

TYPE: PR1
ORGANISM: Homo sapiens
US-09-935-868-15

Query Match 65.6%; Score 1910; DB 3; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
|:|||||
DB 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
QY 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120
DB 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFKTQTFQCGILQDPDPANITVTAVARNPRLSVTMOD 240
DB 181 PEGDSSFYIVSMCVASVSGSKFKTQTFQCGILQDPDPANITVTAVARNPRLSVTMOD 240
QY 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 12
US-10-287-035-15

Sequence 15, Application US/10287035
Publication No. US20030104567A1
GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
PRIOR FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PR1
ORGANISM: Homo sapiens
US-10-287-035-15

Query Match 65.6%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
|:|||||
DB 1 MAAVGCALLAALAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
QY 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120
DB 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120

QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
|:|||||
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFKTQTFQCGILQDPDPANITVTAVARNPRLSVTMOD 240
DB 181 PEGDSSFYIVSMCVASVSGSKFKTQTFQCGILQDPDPANITVTAVARNPRLSVTMOD 240
QY 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 13
US-10-282-162-15

Sequence 15, Application US/10282162
Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PR1
ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 65.6%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
|:|||||
DB 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHM 60
QY 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120
DB 61 VLAKPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQTVHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLLVRKFQNSPAEDFOBPQOYSGSQKFSQCLAV 180
QY 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNSSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 14
US-11-134-114-15
Sequence 15, Application US/1134114

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Publication No. US2005022033A1
GENERAL INFORMATION:
APPLICANT: Stahl, Neil
APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
FILE REFERENCE: 203C1
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-11-134-114-15

Query Match          65.4%; Score 1910; DB 6; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MVAAGCALAALAAAPGAAAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAAGCALAALAAAPGAAAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLLSVOLHDSGNVSCYRAGPAGTVHLVDPPEPOLS 120
DB 61 VLKPPAGSHPSRWAGRGRLLSVOLHDSGNVSCYRAGPAGTVHLVDPPEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVAVARNPRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVAVARNPRMLSVTWOD 240
QY 241 PHSWNSSFYRLRFELRYAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSWNSSFYRLRFELRYAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357

RESULT 15
US-10-485-545A-11
Sequence 11, Application US/10485545A
Publication No. US20050064558A1
GENERAL INFORMATION:
APPLICANT: University College Cardiff
APPLICANT: University of Wales College of Medicine
TITLE OF INVENTION: A Fusion Protein
FILE REFERENCE: P102803PCT
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: SeqMan9, version 1.02
SEQ ID NO 11
LENGTH: 468
TYPE: PRT
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ORGANISM: homo sapien
US-10-485-545A-11

Query Match          65.3%; Score 1901; DB 5; Length 468;
Best Local Similarity 96.2%; Pred. No. 1.4e-141;
Matches 358; Conservative 2; Mismatches 6; Indels 6; Gaps 1;

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DB 1 MVAAGCALAALAAAPGAAAPRRCPAEOVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLLSVOLHDSGNVSCYRAGPAGTVHLVDPPEPOLS 120
DB 61 VLKPPAGSHPSRWAGRGRLLSVOLHDSGNVSCYRAGPAGTVHLVDPPEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOEPCQYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVAVARNPRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVAVARNPRMLSVTWOD 240
QY 241 PHSWNSSFYRLRFELRYAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSWNSSFYRLRFELRYAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVEFGA 360
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVDQSS 360

QY 361 G-----LVLG 366
DB 361 SVPLPTFLVAGG 372
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GenCore version 5.1.9
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Sequence score: 2912
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	947.5	32.5	212	6	US-10-511-937-2489 Sequence 2489, App
3	947.5	32.5	212	6	US-10-933-854-11 Sequence 11, App1
4	296	10.2	368	6	US-10-449-902-38075 Sequence 38075, A
5	201	6.9	422	7	US-11-296-092-32 Sequence 32, App1
6	201	6.9	422	7	US-11-296-155-32 Sequence 32, App1
7	139	4.8	229	7	US-11-297-134-8 Sequence 8, App1
8	133.5	4.6	885	6	US-10-505-928-432 Sequence 432, App
9	133.5	4.6	885	6	US-11-251-465-20 Sequence 20, App1
10	129	4.4	894	7	US-11-251-465-21 Sequence 21, App1
11	120	4.1	440	7	US-11-251-465-65 Sequence 65, App1
12	120	4.1	449	7	US-11-251-465-68 Sequence 68, App1
13	119	4.1	4391	7	US-11-183-325-56 Sequence 56, App1
14	114.5	3.9	635	6	US-10-511-937-2424 Sequence 2424, App
15	114.5	3.9	1005	7	US-11-259-133-20 Sequence 20, App1
16	113	3.9	639	7	US-11-246-999-33 Sequence 33, App1
17	113	3.9	697	7	US-11-246-999-149 Sequence 149, App
18	112	3.8	529	7	US-11-154-977-6 Sequence 6, App1
19	112	3.8	529	7	US-11-154-977-81 Sequence 81, App1
20	109	3.7	836	6	US-10-511-937-2988 Sequence 2988, App
21	108	3.7	213	7	US-11-263-230-333 Sequence 333, App
22	108	3.7	572	7	US-11-263-117-2 Sequence 2, App1
23	107.5	3.7	214	7	US-11-219-121-33 Sequence 33, App1
24	107.5	3.7	218	7	US-11-254-182-39 Sequence 39, App1
25	107.5	3.7	502	7	US-11-154-977-87 Sequence 87, App1

26	107	3.7	213	7	US-11-263-230-217 Sequence 217, App
27	107	3.7	213	7	US-11-174-287-6 Sequence 6, App1
28	107	3.7	213	7	US-11-256-060-16 Sequence 16, App1
29	106	3.6	213	7	US-11-263-230-211 Sequence 211, App
30	106	3.6	213	7	US-11-263-230-231 Sequence 231, App
31	106	3.6	213	7	US-11-263-230-233 Sequence 233, App
32	106	3.6	213	7	US-11-263-230-239 Sequence 239, App
33	106	3.6	213	7	US-11-263-230-247 Sequence 247, App
34	105.5	3.6	214	7	US-11-219-121-29 Sequence 29, App1
35	105.5	3.6	214	7	US-11-219-121-31 Sequence 31, App1
36	104.5	3.6	233	7	US-11-219-563-130 Sequence 130, App
37	104	3.6	213	7	US-11-263-230-229 Sequence 229, App
38	104	3.6	213	7	US-11-263-230-245 Sequence 245, App
39	104	3.6	213	7	US-11-263-230-249 Sequence 249, App
40	104	3.6	213	7	US-11-263-230-255 Sequence 255, App
41	104	3.6	213	7	US-11-154-977-83 Sequence 83, App1
42	103.5	3.6	1204	7	US-11-289-102-236 Sequence 236, App
43	103	3.5	213	7	US-11-263-230-237 Sequence 237, App
44	103	3.5	213	7	US-11-263-230-318 Sequence 318, App
45	102.5	3.5	218	7	US-11-254-182-37 Sequence 37, App1

ALIGNMENTS

```
RESULT 1
US-10-505-928-453      Application US/10505928
; Sequence 453, App1
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/339178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 453
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-505-928-453

Query Match      32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2.6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY      355 PVEFGAG-LVLGGQF-MPVPPGEDSKDVAAPHROPIITSSERIDKQIRYIJDGISALRKE 411
      |||||
DB      11 PVAFSLGLLVLPAFPAPVPPEGDSKDVAAPHROPIITSSERIDKQIRYIJDGISALRKE 70

QY      412 TCNKNMCESSKELANNINLPMMAEKDCFGSGFNEETLVKIIITGLLEFVYLEVQ 471
      |||||
DB      71 TCNKNMCESSKELANNINLPMMAEKDCFGSGFNEETLVKIIITGLLEFVYLEVQ 130

QY      472 NRPFSSEQARAVOMSTKVLIOFLQKAKNIDAITTDPPTNASLITKLOQONOMLODMT 531
      |||||
DB      131 NRPFSSEQARAVOMSTKVLIOFLQKAKNIDAITTDPPTNASLITKLOQONOMLODMT 190

QY      532 THLILRSFKFLOSLRALRQM 553
      |||||
DB      191 THLILRSFKFLOSLRALRQM 212

RESULT 2
US-10-511-937-2489
; Sequence 2489, Application US/10511937
; Publication No. US20060088836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wollgemuth, Day
```

APPLICANT: Fry, Kirk
APPLICANT: Woodward, Robert
APPLICANT: Ly, Ngoc
APPLICANT: Prentice, James
APPLICANT: Morris, Macdonald
APPLICANT: Rosenberg, Steven
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
FILE REFERENCE: 50661200104
CURRENT APPLICATION NUMBER: US/10/511,937
PRIOR FILING DATE: 2004-10-19
PRIOR APPLICATION NUMBER: PCT/US2003/012946
PRIOR FILING DATE: 2003-04-24
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 3117
SOFTWARE: Patentin version 3.2
SEQ ID NO 2489
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
US-10-511-937-2489

Query Match 32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2,6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

355 PVEFGAG--LVLGQGF-MVPVPGEDSKDVAAPHROPVLTSSERIDKQIRYILDSIALRKE 411
11 PVAFSIGLLVLPAAFPAPVPPEDESKDVAAPHROPVLTSSERIDKQIRYILDSIALRKE 70
412 TCNKSNNCCSSKEALANNINLPKMAEKDCCFOSGNEETCLVKITGLLEFVYLEYIQ 471
71 TCNKSNNCCSSKEALANNINLPKMAEKDCCFOSGNEETCLVKITGLLEFVYLEYIQ 130
472 NRESESEQARAQVMSKVLQFLQKAKNLDATTPDPTNSSLTKLQAQNMQLDMMT 531
131 NRESESEQARAQVMSKVLQFLQKAKNLDATTPDPTNSSLTKLQAQNMQLDMMT 190
532 THILRSFKFLOSSLRALRQM 553
191 THILRSFKFLOSSLRALRQM 212

RESULT 3
US-10-933-854-11
Sequence 11, Application US/10933854
Publication No. US20060105347A1
GENERAL INFORMATION:
APPLICANT: GTC Biotechnology, Inc.
APPLICANT: Meade, Harry
APPLICANT: Cox, Geoffrey F.
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
FILE REFERENCE: GTC-220 PCT
CURRENT APPLICATION NUMBER: US/10/933,854
PRIOR FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: 60/500,910
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.2
SEQ ID NO 11
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Human a Interferon Variant 2A
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank/EMBL/DBJ Accession No. CAA00839
DATABASE ENTRY DATE: 1993-12-03

RELEVANT RESIDUES: (1)..(212)
US-10-933-854-11

Query Match 32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2,6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

355 PVEFGAG--LVLGQGF-MVPVPGEDSKDVAAPHROPVLTSSERIDKQIRYILDSIALRKE 411
11 PVAFSIGLLVLPAAFPAPVPPEDESKDVAAPHROPVLTSSERIDKQIRYILDSIALRKE 70
412 TCNKSNNCCSSKEALANNINLPKMAEKDCCFOSGNEETCLVKITGLLEFVYLEYIQ 471
71 TCNKSNNCCSSKEALANNINLPKMAEKDCCFOSGNEETCLVKITGLLEFVYLEYIQ 130
472 NRESESEQARAQVMSKVLQFLQKAKNLDATTPDPTNSSLTKLQAQNMQLDMMT 531
131 NRESESEQARAQVMSKVLQFLQKAKNLDATTPDPTNSSLTKLQAQNMQLDMMT 190
532 THILRSFKFLOSSLRALRQM 553
191 THILRSFKFLOSSLRALRQM 212

RESULT 4
US-10-449-902-38075
Sequence 38075, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
APPLICANT: National Institute of Agricultural Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USBS THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
PRIOR FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38075
LENGTH: 368
TYPE: PRT
ORGANISM: Oryza sativa
US-10-449-902-38075

Query Match 10.2%; Score 296; DB 6; Length 368;
Best Local Similarity 28.0%; Pred. No. 2,9e-15;
Matches 106; Conservative 45; Mismatches 152; Indels 76; Gaps 16;

12 LLAAPALALPRCPAQVAVRGLTSLPGDSVLTGCPVPEBDNATVHWLARKPAAGSHP 71
12 VLAAGVAAVAGR---SQDTHVLYERLSDVTLPC-GTAMGTAATWRNGTDLBAHY 67
72 SRNAGGRILLRSVOLHDSNYSCTRAG---RPAQVHLLVDVPPPEQLSCFRKSP 127
68 N-----GSQLVLEGLDLSHGHAACYQGSWHLYALALH--VGMPPREVLTLCRSNSYP 120
128 SNVVCSE---GPRSTSLTTKAVLVRKF---QNSPADBQBCQYQSBSQKRSCLAVP 161
121 KGFYCSMHLPSPTFTNTNTVTLHSGSKLGCEDPA-----PKRCHIRYT 167
182 EGDSEF-YIVSMCVASVGSKFSKTQTFQCGIILQDPDPANITVTAARNPRLSVTWD 240
168 HLFSTYKVTTLVTNALGN-STAITFDEFTLVKDDPENNVAVRPSPRLLEVMT 226
241 PHSW-NSFYRLFEFLRAERSKTTTMMVKQLQHC-----VIHDAMGLRHVQ 291
227 PSSMPDESPFLKFLRYRP-----LILDQWQHVLSLSDGTHITTDVAGKEYIIQ 277

TYPE: PRT
ORGANISM: Homo Sapien
US-11-296-155-32

Query Match 6.9%; Score 201; DB 7; Length 422;
Best Local Similarity 24.7%; Pred. No. 6.2e-08;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

QY 8 LLAALLAARA-----ALAPRCPAOEVAARGVLTSLPGDSVTLTCPCVEPENATYHW 61
DB 24 LLLCVLGAPPAAGSAHTAVISPODP-----TLIGSSLVATC-----SVHG- 64
QY 62 LRKPAAGSHPSRWAGMGRRL-----LRSVQLHDSGVNVCY-RAGRP 102
DB 65 -DRPGATBEGLYTLNGRRLPELSRYLNASTLALANLNGSRGSDNLYCHADGSI 123
QY 103 AGTVHLLVDVPREP-OLSCFRKSPLSNVVCWGP-----RSTPSLTTKAVLLVRKP 153
DB 124 LAGSCLYVGLPFRKPVNISCMSSKN-MKDLTCRMTPGAHGRTPLHTNYSLKXK---LRWY 178
QY 154 -QNSPADFOEPQOYQOESQKFCQOLAVPEGDSF--YIVSMCVASVSGSKSKTQTFQG 210
DB 179 GQDNTCEBYHTVGRH-----SCH--IPKDLALFTPYELIWEATRYRLGARSADVLTLDI 229
QY 211 CGILODPPANITVTVAARNPRMLSVTQODPHSMNSFYRLREPLRYRARSKTFTTMVY 270
DB 230 LDVYTTDPPDVAVSRVGLGLEDQLSVRWSPPALKDFLPAKQYQIRYVEDS---VDMKY 286
QY 271 KD---LOHNCVHDAMSGLRHVVQLRAOEBFG-----QOEWSEWS-PEAMGTPTWESRS 320
DB 287 VDDVSNQTSCLAGLKGRTVYFVQVRC-NPFGIYSGKKAGIMESWHSPTAASPTSRSPG 345
QY 321 P-----PAENEVSTPMQALTTNDDNILFR 346
DB 346 PGGACPEPGGEPSSGFRRELKQFLGWLKKAHVCNSLSPR 386

RESULT 7

US-11-297-134-8
Sequence 8, Application US/11297134
Publication No. US20060111297A1
GENERAL INFORMATION:
APPLICANT: Genzyme Corporation
APPLICANT: Roberts, Bruce
TITLE OF INVENTION: BLOOD FACTOR DOMAINS
FILE REFERENCE: 5270C
CURRENT APPLICATION NUMBER: US/11/297,134
CURRENT FILING DATE: 2005-12-08
PRIOR APPLICATION NUMBER: PCT/US2005/018461
PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/477,291
PRIOR FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8
LENGTH: 229
TYPE: PRT
ORGANISM: Homo sapiens
US-11-297-134-8

Query Match 4.8%; Score 139; DB 7; Length 229;
Best Local Similarity 23.8%; Pred. No. 0.0014;
Matches 54; Conservative 39; Mismatches 100; Indels 34; Gaps 10;

QY 98 RAGRPAQTVHLLVDVPEEPQOLC-FRKSPLSNVVCWGRSTPSLTTKAVLLVRKFONS 156
DB 21 RKPPPALT-----LPRVQCRASTRYPDIA-VDCSWTLPPAPNSTRSPVSFIATRYLGM 70
QY 157 PADDFQEPQOYQOESQKFCQOLA-VPEGDSFYIVSMCVASVSGSKSKTQTFQCGILQ 215
DB 71 AAGGHSWPC-LQQTPTSTSLTIDVOLFSNAPVYLANTAHVPMGSS--SSVVPFTTEHIK 128
QY 216 PDPPANITVTVAARNPRMLSVTQODPHSMN-SSFYRLREPLRYRARSKTFT-----T 266

DB 129 PDPEBGRKLSPLAE--RQLOVQWEPGSGWPFPEIFSLKXWIRKRGGAARFHHVGPTEAT 186
QY 267 TMMVKDLOHNCVHDAMSGLRHVVQLRAOEBFGQSEWSEWSPAMGT 313
DB 187 SFLIRAVRBRRA-----RYVVQVAADLTIDYGLSDMSLPTATAT 224

RESULT 8

US-10-505-928-432
Sequence 432, Application US/10505928
Publication No. US20060088532A1
GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research et al.
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PatentIn 3.2
SEQ ID NO 432
LENGTH: 885
TYPE: PRT
ORGANISM: Homo sapiens
US-10-505-928-432

Query Match 4.6%; Score 133.5; DB 6; Length 885;
Best Local Similarity 18.5%; Pred. No. 0.024;
Matches 133; Conservative 76; Mismatches 226; Indels 283; Gaps 33;

QY 4 VGCALLAALLAARG-AAAPRCRPAOEVA-----RGVLTSLPGDSVTLTC-----PGYRPED 54
DB 8 MGRVPLAWCLALCGWACMAPRGTOAESPPVGNITGARGLTGLRCQLOVQGEPPF- 66
QY 55 NATVHW-----LRKPAAGSHPSRWAGMGRRLLSVOLHDSGNYSY- 97
DB 67 ---VHWLRDQQLIELADSTOTQVPLGEDDEDDMIYVS-QIRITSLSQSDTQVQCLVFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPREPQ-----LSCFRKSPLSNVVCWGPFRS 138
DB 123 HQTFVSPQGVYGBJGPYFL-----BEPDRVTVAANTPFLSQAQGPPEPVLWLQDA 177
QY 139 TPELTTKAVLLVRKFNQNSPADFOEPQOYQOESQKFC----- 176
DB 178 VPLATAPG-----HGQQRSLHVP--GLNKTSSPSCAANNAKGVTSRTATITVLPOQ 227
QY 177 -----OLAVEGDSFYIVSMCVASVSGSKSKTQTFQCGIL--OPDPPA 220
DB 228 PRMLHVSROPTLEVAWTPGLSGIYPLTCTIQAULSD-----DGMQIQAGEPDPPE 280
QY 221 NITVTVAARNPRMLSV-----TWODPHSN-----NS 246
DB 281 EPLTQASVPPHQLRLGSLHPHTPYHIVACTSSQSPSSWTWMLPVETREGVPLGPPENI 340
QY 247 SFPYR-----LRFELRYRARSKTFTTMMVKDLOHNCVHDAMSGU 286
DB 341 SATRNGSOAFVHWQEBRAPLQGTLLGRLAYQGD--TPVLMDI-----GL 385
QY 287 RHVVQLRAOE-----FGQSEWS-----EWSP-----EAMGTPTW- 315
DB 386 RQEVTLLELQDGSVSMLTYCVAAVYTAAGDPNPLPPLBMRKRVXBSTAFSMPWVYL 445
QY 316 -----TESRSPAEENVSTPMQALTTNKDDNILFR-----DS 348
DB 446 LGAIVAAACVLLALFLVHRKKETRYGEVFEF-----TVERGELVVRVYRKSYSRTTE 501
QY 349 ANATSLPV-----ERGAQVIVG-GQFMPVPPEDESKDVAAHRRQPLTSS 391
DB 502 ATINSGISEBELKEKLRDVAWVDRHAKVALGTTLGEGBFGAAMEQOLQD----- 549
QY 392 ERIDKQIRYILDIGISALRKETCNKSNWCSSKEALENNINLIPKMAEKDG-CFQSGFNEE 450

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Db      550 ---DSILKV---AYTKMIAICTRSELEDFLSEAVCMKEFDPHNMRLIGVCFQSSERBS 603
Qy      451 -TCLVKITGLLPEVYLEYLNQRPESSEEQARAVQWSTKVLIQFLQKAKNLDIAIT 507
Db      604 FPAVVLIPFMKHGDLHSFLLYSRLGD-----QPYLPTQWLVKRMADIASMEYELST 656

RESULT 9
US-11-251-465-20
; Sequence 20, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 20
; LENGTH: 885
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-20

Query Match      4.6%; Score 133.5; DB 7; Length 885;
Best Local Similarity 18.5%; Pred. No. 0.024;
Matches 133; Conservative 76; Mismatches 226; Indels 283; Gaps 33;

Qy      4 VGCALLAALIAAPG-AALAPRCRPAQEV-----RGVLTSLPDGSVTLTC-----PGEVED 54
Db      8 MGRVPLMCLALCGMACWAPRGTOAEESPFGVGNPGNITGARGLTGTLRCQLQVQGEPRP- 66
Qy      55 NATYHWV-----LKRPAAGSHPRMAGMGRLLRLRSQVLDGNSYCY----- 97
Db      67 ---VHMLRDGQILBLADSTQVPLGDEDDWIVS-QLRITSLQSLDQYQCLVFLG 122
Qy      98 ---RAGRPA-----GVHLVDVPPPEPQ-----LSCFRKSPLSNVVCEWGRS 138
Db      123 HQTVSQPQGVYGLGLPYFL-----EBEDRTVAANTPFNLSCQAQGPPEVDLMLQDA 177
Qy      139 TPSLTTRAVLLVRKFQNSPAEDFOEPCQYQSOESQFSC----- 176
Db      178 VPLATAG-----HGPRSLHVP--GLNKTSSFCEAHNAKGVTTSRATITVLPQ 227
Qy      177 -----QLAVBEDSSFYIVSMCVASSVSGKFKSTQTFQCGIL--QPPRPA 220
Db      228 PRNLHLVSRQPTLEAVMTPELSGIYPLTHCTLOAVLSD-----DMGIGQAGBPDPPE 280
Qy      221 NITVAVARNPRMLSV-----TWODPHSM-----NS 246
Db      281 EPLTSQASVPRHQRLQSLHPTPYHTRVACTSSQGSQSWTHMLVETPEGVPLGPENI 340
Qy      247 SFYR-----LRFELRYARBSKFTTMMVYKDLOHNCVIHDAMGGL 286
Db      341 SATNGSOAFVHMOEPRAPLOGTLGVLAYQGD-----TPEVLMDI-----GL 385
Qy      287 RHVVLQRAOE-----FGQGEWS-----EWSP-----EAMGTPW----- 315
Db      386 ROEVTLEIQDGSVSNLTVCAAYTAAGDGFMSLPVPLEAMRPVKEBPSTPAFSWPMWYVL 445
Qy      316 -----TESRSPAEENEVSTPMQALTTNKDDNITLFR-----DS 348
Db      446 LGAVVAACVLLALLFLVHRKKETRYGEVPEP-----TVERGELVVRVRYKSKYSRRITTE 501

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Qy      349 ANATSLPV-----EFGAGVLIG-QGFMPVPRGEDSKDVAAHRQPLTSS 391
Db      502 ATLNSLIGISEBLKEKLRDVWDRNRKVALGKTLGEBEFGAVMEQQLNQD----- 549
Qy      392 ERIKQIRIYLDIGSLAKKETCNKSNMCCSSKEALAEENNLLPKAAEKDG-CFQSGFNEE 450
Db      550 ---DSILKV---AYTKMIAICTRSELEDFLSEAVCMKEFDPHNMRLIGVCFQSSERBS 603
Qy      451 -TCLVKITGLLPEVYLEYLNQRPESSEEQARAVQWSTKVLIQFLQKAKNLDIAIT 507
Db      604 FPAVVLIPFMKHGDLHSFLLYSRLGD-----QPYLPTQWLVKRMADIASMEYELST 656

RESULT 10
US-11-251-465-21
; Sequence 21, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 21
; LENGTH: 894
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-21

Query Match      4.4%; Score 129; DB 7; Length 894;
Best Local Similarity 18.3%; Pred. No. 0.053;
Matches 133; Conservative 76; Mismatches 226; Indels 292; Gaps 33;

Qy      4 VGCALLAALIAAPG-AALAPRCRPAQEV-----RGVLTSLPDGSVTLTC-----PGEVED 54
Db      8 MGRVPLMCLALCGMACWAPRGTOAEESPFGVGNPGNITGARGLTGTLRCQLQVQGEPRP- 66
Qy      55 NATYHWV-----LKRPAAGSHPRMAGMGRLLRLRSQVLDGNSYCY----- 97
Db      67 ---VHMLRDGQILBLADSTQVPLGDEDDWIVS-QLRITSLQSLDQYQCLVFLG 122
Qy      98 ---RAGRPA-----GVHLVDVPPPEPQ-----LSCFRKSPLSNVVCEWGRS 138
Db      123 HQTVSQPQGVYGLGLPYFL-----EBEDRTVAANTPFNLSCQAQGPPEVDLMLQDA 177
Qy      139 TPSLTTRAVLLVRKFQNSPAEDFOEPCQYQSOESQFSC----- 176
Db      178 VPLATAG-----HGPRSLHVP--GLNKTSSFCEAHNAKGVTTSRATITVLPQ 227
Qy      177 -----QLAVBEDSSFYIVSMCVASSVSGKFKSTQTFQCGIL--QPPRPA 220
Db      228 PRNLHLVSRQPTLEAVMTPELSGIYPLTHCTLOAVLSD-----DMGIGQAGBPDPPE 280
Qy      221 NITVAVARNPRMLSV-----TWODPHSM-----NS 246
Db      281 EPLTSQASVPRHQRLQSLHPTPYHTRVACTSSQGSQSWTHMLVETPEGVPLGPENI 340
Qy      247 SFYR-----LRFELRYARBSKFTTMMVYKDLOHNCVIHDAMGGL 286
Db      341 SATNGSOAFVHMOEPRAPLOGTLGVLAYQGD-----TPEVLMDI-----GL 385
Qy      287 RHVVLQRAOE-----FGQGEWS-----EWSP-----EAMGTPW----- 310
Db      386 ROEVTLEIQDGSVSNLTVCAAYTAAGDGFMSLPVPLEAMRPQOAPVHQLVKEBPSTPA 445

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QY 311 MGTPT-----TESRPPAENEYSTPMQALTTNKDNDILFR-- 346
DB 446 FSNPMWVVLGAVAAACVLLIALPLVHRKKETRYGEVPEP-----TVERGEVLVYRYRA 501
QY 347 -----DSANATSLPV-----BFGAGVLIG-GQFMPVPGEDSDOVA 382
DB 502 KYSRRTERTATLNSLGISEELKEKLDVWDRKHALGKTLGEGFGAVMEGQLND--- 558
QY 383 PHROPITSSERIDKQIRYILDIGISLRKETCNKSNKCESSKEALAENNLPRMAEKD- 441
DB 559 -----DSILKV-----AVTKMKIALCTRSBLIEDFLSFAVCMKEFDPHVMRLIGV 603
QY 442 CPQSGFNEE-TCVYKIIITGLFEFVYLYONRFESSEBQARAVOMSTKYLIOFLQKAK 500
DB 604 CPQSGSRSEFPADVLLPFMKHGLHSPFLYSRLGD-----QPVYLPLOMLVKFMADIAS 658
QY 501 NLDAIT 507
DB 659 GMEYLIST 665

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RESULT 11
US-11-251-465-65
; Sequence 65, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30, 172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
US-11-251-465-65

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Query Match 4.1%; Score 120; DB 7; Length 440;
Best Local Similarity 20.9%; Pred. No. 0.099;
Matches 88; Conservative 37; Mismatches 123; Indels 174; Gaps 23;

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QY 4 VGCALLAALLAAPG-AALAPRCRPAOEVA-----RGVLTSLPGDSVLTTC-----PGVEPED 54
DB 8 MGRVPLAMCIALCGMACMARGTOAESPPVGNPGNITGARGLTGLRCQLQVQGEPP- 66
QY 55 NATVHWV-----LKRPAAGSHPSRWAGMGRILLRSVOLHDSGNYSY---- 97
DB 67 ---VHMLRDQILBLADSTQTVPLGEDDDWIVVS-QLRITSLQSLDQVQCVLFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPPPEPQ-----LSCFRKSPLSNVVCEWGP- 138
DB 123 HQTFVSGPQGVGLEGPLFYFL-----EEEDRTVAANTPFLNSCOAQGPPEPVLMLQDA 177
QY 139 TPBLTTKAVLLVKKFONSRAEDFOEPCQVSOESQKESC----- 176
DB 178 VPLATAPG-----HGPRSLHVP--GLNKTSSFCCEAHNAKGVTTSTATTITVLPQ 227
QY 177 -----QLAVPEGDSSFYIVSMCVASSVGSKSKTQTFQGCIL--QPPPA 220
DB 228 PRNLHLVSRQPTLELVAMTPGLSGIYPLTHCTIQAVALSD-----DGMGIOAGEPDPPE 280

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QY 221 NITVTAVARNPRLVSTWODPHSNSSFYRLRPELRYARBRSTFTTMMVKDLQHHCVIH 280
DB 281 E-PLTSQASVP-----PH-----QLR-----LGSILHPTPYH 306
QY 281 DAWSGLRHVQLRAOEFQGEWSEW-----SPEA-MGTP-----WTESR 319
DB 307 -----IRVACTSSQGPSSWTHMLPVETPEPGVPLGPPENISATRNQSOAFVHMOEPR 357
QY 320 SP 321
DB 358 AP 359

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RESULT 12
US-11-251-465-68
; Sequence 68, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30, 172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
US-11-251-465-68

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Query Match 4.1%; Score 120; DB 7; Length 449;
Best Local Similarity 20.9%; Pred. No. 0.1;
Matches 88; Conservative 37; Mismatches 123; Indels 174; Gaps 23;

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QY 4 VGCALLAALLAAPG-AALAPRCRPAOEVA-----RGVLTSLPGDSVLTTC-----PGVEPED 54
DB 8 MGRVPLAMCIALCGMACMARGTOAESPPVGNPGNITGARGLTGLRCQLQVQGEPP- 66
QY 55 NATVHWV-----LKRPAAGSHPSRWAGMGRILLRSVOLHDSGNYSY---- 97
DB 67 ---VHMLRDQILBLADSTQTVPLGEDDDWIVVS-QLRITSLQSLDQVQCVLFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPPPEPQ-----LSCFRKSPLSNVVCEWGP- 138
DB 123 HQTFVSGPQGVGLEGPLFYFL-----EEEDRTVAANTPFLNSCOAQGPPEPVLMLQDA 177
QY 139 TPBLTTKAVLLVKKFONSRAEDFOEPCQVSOESQKESC----- 176
DB 178 VPLATAPG-----HGPRSLHVP--GLNKTSSFCCEAHNAKGVTTSTATTITVLPQ 227
QY 177 -----QLAVPEGDSSFYIVSMCVASSVGSKSKTQTFQGCIL--QPPPA 220
DB 228 PRNLHLVSRQPTLELVAMTPGLSGIYPLTHCTIQAVALSD-----DGMGIOAGEPDPPE 280
QY 221 NITVTAVARNPRLVSTWODPHSNSSFYRLRPELRYARBRSTFTTMMVKDLQHHCVIH 280
DB 281 E-PLTSQASVP-----PH-----QLR-----LGSILHPTPYH 306
QY 281 DAWSGLRHVQLRAOEFQGEWSEW-----SPEA-MGTP-----WTESR 319
DB 307 -----IRVACTSSQGPSSWTHMLPVETPEPGVPLGPPENISATRNQSOAFVHMOEPR 357
QY 320 SP 321

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Db 358 AP 359

RESULT 13

US-11-183-325-56
; Sequence 56, Application US/11183325
; Publication No. US20060104898A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
; APPLICANT: Hallahan, Dennis E
; APPLICANT: Ou, Shihuan
; TITLE OF INVENTION: IN VIVO PANNING FOR LIGANDS TO RADIATION-INDUCED MOLECULES
; FILE REFERENCE: 1242/47/2 CIP
; CURRENT APPLICATION NUMBER: US/11/183,325
; PRIOR FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 60/328123
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US 10/259,087
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 56
; LENGTH: 4391
; TYPE: PRF
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: P98160
; DATABASE ENTRY DATE: 2003-02-28
; RELEVANT RESIDUES: (1)..(4391)
US-11-183-325-56

Query Match 4.1%; Score 119; DB 7; Length 4391;
Best Local Similarity 26.5%; Pred. No. 2.6;
Matches 65; Conservative 22; Mismatches 98; Indels 60; Gaps 14;

QY 3 AVGCALLAALLAAGALAPRCRAQEVARGVLTSLGDSVTLTFCGVEPEPDNATYMW-V 61
DB 3190 ALGPAQKQVEVITVDYGMAR-GAPQVOAEAEALTVENGHTATLFC-SATGSPATIHMSK 3247
QY 62 LRKPAAGSHPSRWAGMRLLRSVQLHDSGNVSCYRAGRPAQ---TVHLLVDPVP--- 114
DB 3248 LRSEPLPQHLKLE---GDTLIPRVAAQDSCQYTC-NATSPAGAEATIIIHVESPPYAT 3302
QY 115 -----EEPOLSCFRKSPLSNVVCEWSPRSTSLTKAVILVRKFNQSPAEDEFQ 163
DB 3303 TVPEHSAVQGETVQLQCL-----AHGTPEPLT-----PQMSVGS-SL 3339
QY 164 PCOYSGSQKFSQOLAVPEGDSFYIVSMC-VASSVSGSKSKTQTFQCGGILQDPDPANI 222
DB 3340 PGRATANEHLHFERAAPE-DSGRY---RCRVTNKGVSAAEFAQ-----LLVQGPQSL 3389
QY 223 TVTAV 227
DB 3390 PATSI 3394

RESULT 14

US-10-511-937-2424
; Sequence 2424, Application US/10511937
; Publication No. US2006008836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wohlgenuch, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; APPLICANT: Prentice, James
; APPLICANT: Morris, Macdonald
; APPLICANT: Rosenberg, Steven
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
; FILE REFERENCE: 506612000104

; CURRENT APPLICATION NUMBER: US/10/511,937

; CURRENT FILING DATE: 2004-10-19
; PRIOR APPLICATION NUMBER: PCT/US2003/012946
; PRIOR FILING DATE: 2003-04-24
; PRIOR APPLICATION NUMBER: US 10/131,831
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: US 10/325,899
; PRIOR FILING DATE: 2002-12-20
; NUMBER OF SEQ ID NOS: 3117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2424
; LENGTH: 635
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-511-937-2424

Query Match 3.9%; Score 114.5; DB 6; Length 635;
Best Local Similarity 21.1%; Pred. No. 0.43;
Matches 100; Conservative 52; Mismatches 150; Indels 173; Gaps 27;

QY 47 CPGVEPEDNA-----TVHWLKRPAAGSHPSRWAGM---GRRLLRSVQLHDS 91
DB 194 CPALQRPHSALDQSPCAQPTMW--QDGPQKQSPRRASALTAEGGSLISGHQ--PG 249
QY 92 GNYSCTAAGRPAQ-----TVHLLVDPPEEPQ--LSCFRKSPLSNVVCEWSPRST 139
DB 250 NSYWLQURSEPDGSLGSGWSGLPVTVDLPQDAVALGQCFTLD-LKNVTCQWQOQDH 308
QY 140 PSLTTKAVLLVRKQNSPAEDFQ--EPCQYSGQSKFSQOLAVE-----GDSGFY 188
DB 309 AS--SGFFYHSRRACCPDRDRIWENC--EEEEKINPGLOTQFSCCHKRNDSTI 363
QY 189 IV-----SMCVASSVSGSKSKTQTFQCGGILQDPDPANITVTVARNPRV-----LS 235
DB 364 ILVEVTTAPGVHSYLYLSPFWIHQ-----AVRLPTP-----NLHREISSGHLE 407
QY 236 VTWQDPHSNMSFRLRFLRYRERSKFTTWVWVXOLHHCYIHDAMSG- 286
DB 408 LEWQHPSSMAAQ--ETCYQLRYTGE------HODKVLPEPLGARGG 447
QY 287 -----RHVVOLRAQ--EEFGQGESEWSPAMGTPTESRSPPAENEVSTPMQALTT 336
DB 448 TLELRPSRRRLQIRALINGPTYQPPMSW-----SDPRIVETATETAWISL 494
QY 337 NKQDNIILFRDSANATSLPVEFGALVIG-----GQFMPVPGGDSKQVAAPHQ----- 386
DB 495 -----VTALHLVILGSAVLGLLLRWQF-----PAHYRLRLHAL 528
QY 387 --PLTSSERIDKQIRYILDGISAIRKETCNKSNKCESSKEALANNLTPMAEK 439
DB 529 WPSLPLDLHRYLGQ--YLRD--TAAISPPKATVSDTCEVEPSLLE--ILPKSSER 577

RESULT 15

US-11-259-133-20
; Sequence 20, Application US/11259133
; Publication No. US20060121042A1
; GENERAL INFORMATION:
; APPLICANT: Dameschroder, Melissa
; APPLICANT: Kinch, Michael
; APPLICANT: Charles-Kinch, Kelly
; TITLE OF INVENTION: MODULATION OF ANTIBODY SPECIFICITY BY TAILORING THE AFFINITY TO
; TITLE OF INVENTION: COGNATE ANTIGENS
; FILE REFERENCE: EP7000US
; CURRENT APPLICATION NUMBER: US/11/259,133
; PRIOR FILING DATE: 2005-10-27
; PRIOR APPLICATION NUMBER: 60/622,711
; PRIOR FILING DATE: 2004-10-27
; PRIOR APPLICATION NUMBER: 60/717,209
; PRIOR FILING DATE: 2005-09-16
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: PatentIn version 3.3

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/ SEQ ID NO 20
/ LENGTH: 1005
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/   NAME/KEY: BINDING
/   LOCATION: (31)...(204)
/   OTHER INFORMATION: Ephrin receptor ligand binding domain
/ FEATURE:
/   NAME/KEY: CHAIN
/   LOCATION: (191)...(325)
/   OTHER INFORMATION: cysteine-rich region
/ FEATURE:
/   NAME/KEY: CHAIN
/   LOCATION: (329)...(424)
/   OTHER INFORMATION: Fibronectin type 3 domain
/ FEATURE:
/   NAME/KEY: CHAIN
/   LOCATION: (440)...(531)
/   OTHER INFORMATION: Fibronectin type 3 domain
/ FEATURE:
/   NAME/KEY: CHAIN
/   LOCATION: (635)...(892)
/   OTHER INFORMATION: Tyrosine kinase, catalytic domain
/ FEATURE:
/   NAME/KEY: CHAIN
/   LOCATION: (934)...(992)
/   OTHER INFORMATION: SAM Domain (Sterile alpha motif)
/ US-11-259-133-20

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Query Match 3.9%; Score 114.5; DB 7; Length 1005;

Best Local Similarity 19.5%; Pred. No. 0.79; Matches 109; Conservative 71; Mismatches 175; Indels 205; Gaps 31;

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QY 25 CPAQEVARGVLTSLPGDSVTLTQGVPEPDNATVHWLTKRPAAGSHPSRMAGKGRLLLR 84
DB 273 CVACEL--GFYKAPGDLQARCP--PHSHSAA-----PAAQA----- 306
QY 85 SVQLHDSGNISCRAGRPATVHLVDVPEEPQLSCFR--KSPPL-----SNVCEW 134
DB 307 ---CHCDLSY--YRAAL-----DPPSACTRPPSAFVNLISSVNGTSVTLFW 348
QY 135 GPRSTP-----SLTTKAVLVKRFONSPADFOEPCOYSQESQKSCCOLAVPBGDSFYIV 190
DB 349 APPLDPGGRSDITYNV-----CR-----RCPWA-----L 373
QY 191 SMCVASSVSGKFSKTYT-----FOGCGILOPPD-----PANI 222
DB 374 SRCEACGSGTRFYPQOTSLVQASLVANLLAHMYSFWIBAVNGVSDLSPEPRAAVNI 433
QY 223 TV-----TAVARNR-----WLSVTWQDDHSWNSFYRLRFELRYAERSKTFTTW-MV 270
DB 434 TTNOAPDSQVVVIRQERAGQTSVLLWQEPQPGIIT--LEYEIKY-YEKDKMQSYSTL 490
QY 271 KDLQHCVIHDAMSGLRHVVLQAQEEFGQEWSESPBAMGTPTWESRSPPAENEVSTP 330
DB 491 KAVTTRATVSGLRGTYYVQVARRATSAGGRFS----QAME--VETGKPRPRYDRTI 543
QY 331 MQALLTNKDDNLI-----FRDSANATSLPVEFGAGVLGGQFMPV--P 372
DB 544 VWICLTLLITGLVVLILLICKRHCYGSKAFQSDDEE--KMHYQNGQAPPVFLPLHHP 600
QY 373 PGE--DSKDVAAPI--RQPLTSSRIDKQIRYILDGISALRKETCNKSNMCESSKALAE 428
DB 601 PGKLPPEQFYABPYTVEPGRAGSFTREI-----EASR----- 634
QY 429 NNINLPMAEKDCFOGSEFETCLVKI--ITGLLEFEVLEYLONRPESSSEQARAVQMS 487
DB 635 --IHIEKI-----ISSGDSGEVYCYGLRYPGQGDVPAIKALKAGY--TERQRRDLSE 684
QY 488 TKVLIQFLQKKAKNLDIAIT 507
DB 685 ASIMGQFDHNIIRLBGVIT 704

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Search completed: June 29, 2006, 21:25:05
Job time : 21 secs